# FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper, and for Transmission Abroad.]

No. 2496.-Vol. LIII.

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DES,

LONDON, SATURDAY, JUNE 23, 1883.

... SIXPENCE.

MR. JAMES H. CROFTS, STOCK AND SHARE BROKER AND MINING SHARE DEALER,
No. 1, FINCH LANE, CORNHILL, LONDON, E.C.
ESTABLISHED 1842.

Business transacted in all descriptions of Mining Stocks and Shares (British and Foreign), Consols, Banks, Bonds (Foreign and Colonial), Railways, Insurance, Assurance, Telegraph, Tramway, Shipping, Canal, Gas, Water, and Dook Shares, and all Miscellaneous Shares.

Business negociated in Stocks and Shares not having a general market

viue.

Every Friday a general and reliable List issued (a copy of which will be forwarded on application), containing closing prices of the week. Mines Inspected.

Bankres: City Bank, Loshow—South Cornwall Bank, St. Austell.

TELEPHONE NUMBER 1003.

59 Callao Bis, 15s.
50 Chile Gold, 14s. 6d.
200 Colombian Hyd., 5s. 9
75 Consolidated, 2s. 6d.
50 California, 21s.
50 Colorado, £3 2s. 6d.
30 Canada Copper, 18s. 6
200 Chontales, 5s. 3d.
100 Cor. 8o. Austra. Cop.,
10s.
100 Dovala Cen., 2s.
60 Dovala Moyar, 3s.
20 Devon Consols, £3 19s
50 Devon Friend., 4s. 6d
50 Devon United, 5s.
50 Dona Fedro, 2s.
50 Drakewalls, 6s.
50 East Blue Hills, 7s.
50 Eberhardt, 7s. 6d.

BANKERS: OITT BANK. LONDON—SOUTH CORNWALL BANK, ST. AUSTELL.

TELEPHONE NUMBER 1003.

SPECIAL DEALINGS in the following, or part:—

52 Asia Minor.

50 Almada, 13s. 9d.

100 Hoover Hill, 4s. 3d.

25 Brataberg, £2 3s. 9d.

25 Brataberg, £2 3s. 9d.

26 Callao Bis, 15s.

100 Hordon Mines Trust,

16s. 3d.

26 Carnarvon Cop., 3s.

27 Callao Bis, 15s.

20 Collonbian, Hyd., 5s. 9 5

21 Consolidated, 2s. 6d.

25 Colloid Gold, 14s. 6d.

26 Colorado, £3 2s. 6d.

27 Consolidated, 2s. 6d.

28 Colorado, £3 2s. 6d.

29 Colorado, £3 2s. 6d.

20 Colorado, £3 2s.

25 Killifreth, £2 12s.

25 Killifreth, £2 12s.

26 Colorado, £3 2s.

27 Killifreth, £2 12s.

28 Colorado, £3 2s.

29 Devon Consols, £3 19s.

20 Devon Consols, £3 19s.

20 Devon United, 5s.

20 Devon Friend, 4s. 65

20 Devon United, 5s.

20 Devon United, 5s.

20 Devon Consols, £3 19s.

20 Devon Consols, £3 19s.

21 East Craven Moor.

22 Consolidated, 5s.

23 Consolidated, 5s.

24 Consolidated, 2s. 6d.

25 Consolidated, 2s. 6d.

26 Colorado, £3 2s.

27 Consolidated, 2s. 6d.

28 Colorado, £3 2s.

29 Colorado, £3 2s.

20 Colorado, £3 2s.

20 Colorado, £3 2s.

21 Colorado, £3 2s.

22 Colorado, £3 2s.

23 Colorado, £3 2s.

24 Colorado, £3 2s.

25 Colorado, £3 2s.

26 Colorado, £3 2s.

27 Consolidated, 2s. 6d.

28 Colorado, £3 2s.

29 Colorado, £3 2s.

20 Colorado, £3 2s.

20 Colorado, £3 2s.

21 Colorado, £3 2s.

22 Colorado, £3 2s.

23 Colorado, £3 2s.

24 Colorado, £3 2s.

25 Colorado, £3 2s.

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20 Colorado, £3 2s.

21 Colorado, £3 2s.

22 Colorado, £3 2s.

23 Colorado, £3 2s.

24 Colorado, £3 2s.

25 Colorado, £3 2s.

26 Colorado, £3 2s.

27 Colorado, £3 2s.

28 Colorado, £3 2s.

29 Colorado, £3 2s.

20 Devon Consols, £3 19s.

20 Devon Consols, £3 19s.

21 Colorado, £3 2s.

22 Colorado, £3 2s.

23 Colorado, £3 2s.

24 Colorado, £3 2s.

25 Colorado, £3 2s.

26 Colorado, £4

25 Gunnis. (Citt), £15s. 100 Port Phillip, 2s.

\*.\* SHARES SOLD FOR FORWARD DELIVERY (ONE, TWO, OR THREE MONTHS) ON DEPOSIT OF TWENTY PER CENT.

\*.\* SPECIAL BUSINESS at CLOSE PRICES in all Market TIN, COPPER and LEAD SHARES.

JAMES H. OROFTS, 1, FINOH LANE, LONDON.

RAILWAYS - SPECIAL BUSINESS. - Fortnightly Accounts opened on receipt of the usual cover.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

FOREIGN BONDS — SPECIAL RUSINESS. — Fortnightly Accounts opened on receipt of the usual cover.

JAMES H. CROFFS, 1, FINCH LANE, LONDON.

MERICAN AND CANADIAN STOCKS AND SHARES-SPECIAL BUSINESS. A MERICAN AND SPECIAL BUSINESS.
Fortnightly Accounts opened on receipt of the usual cover.
JAMES H. CROFTS, 1, FINCH LANE, LONDON.

GOLD AND SILVER MINES.—SPECIAL BUSINESS in ALL OLD AND SILVER MINES.—SPECIAL BUSINESS in ALL
marketable INDIAN GOLD SHARES, and in California, Oliloro "Bis,"
Gold Coast, Guinea Gold Coast, New Calko, West Calko, Tollima A, Tollima B,
La Plata, Rio Tinto, Frontino and Bolivia, Potosi, Ohile, Nouveau Monde,
Ruby, Richmond, Victoria.

\*\* SHARES IN THE ABOVE SOLD FOR FORWARD DELIVERY ONE,
TWO, OR THREE MONTHS ON DEPOSIT OF TWENTY PER CENT.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

ESTABLISHED 1842.

RON AND COAL SHARES — SPECIAL BUSINESS.
Bilbao, Cardiff and Swansea, Consett, Chillington, Ebbw Vale, Nant-y-Glo,
Newport Abercarn, and Pelsail.
SHARES SOLD for FORWARD DELIVERY, ONE, TWO, or THREE MONTHS, on DE-POSIT OF TWENTY PER CENT.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

ELECTRIC LIGHT SHARES — SPECIAL BUSINESS.

Anglo-American Hammond. Pilsen-Joel.

Brush. Maxim-Weston. Swan.

Shares sold for cash, account, or forward delivery (one, two, or three months) on deposit of 20 per cent.

JAMES H. OROFFS, 1, FINCH LANE, LONDON.

PAST WHEAL ROSE, OLD SHEPHERDS, MOUNTS BAY, TRESAVEAN, HOME MINES TRUST.

SPECIAL BUSINESS in the above for cash or account.
FOR SPECIAL SALE, for FORWARD DELIVERY, ONE, Two, or THREE MONTHS, subject to deposit of Twenty Per Cent.—100 East Wheal Rose, 15s.; 100 Mounts Bay, 5s.; 100 Old Shepherds, 13s. 3d.; 100 Tresavean, 13s. 6d.; 100 Home Mines Trust, 15s.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

MR. W. H. BUMPUS, STOCK AND SHARE BROKER.

AND MINING SHARE DEALER,

11, THREADMEDLE STREET, LONDON, E.C.
ESTABLISHED 1867.

BUSINESS transacted in STOCK EXCHANGE SECURITIES and MISCELLANEOUS SHARES of every description.
RAILWAYS, BANKS, FOREIGN and COLONIAL BONDS.
TRAMWAYS, TELEGRAPHS, and all the LEADING INVESTMENTS.
Accounts opened for the Fortnightly Settlement
A List of Investments free on application.

A List of Investments free on application.

Mr. BUMPUS has SPECIAL BUSINESS in the undermentioned:—

00 Almada, 15s. 30 Frontino, 40s. 50 Frince of Wales, 9s. 50 Birdseye, 26s. 9d. 25 Great Holway. 55 Prince of Wales, 9s. 26 Great Holway. 25 Panulcillo, 26%. 25 Davido, 23%. 4s. 3d. 150 Indian Consolidated, 4s. 3d 150 Indian Consolidated, 4s. 3d. 26 Richmond, 27%. 16s. 25 Davido, 15s. 16 Roman Gravels. 100 California Gold, 21s. 3 100 California Gold, 21s. 3 100 California Gold, 21s. 3 100 Chile Gold, 18s. 3d. 100 Mysore Gold, 6s. 3d. 100 Carnarvon Copper, 3s. 100 Garnarvon Copper, 3s. 25 Devon Friendship, 5s. 25 Devon Friendship, 5s. 25 Organos, 35s. 150 West Godolphin. 50 West Godolphin. 50 West Copton, 22 f. 30s. 25 Coppens, 35 Coppens, 35s. 25 Organos, 35s. 150 West Choren, 22 f. 30s. 25 Coppens, 15 Devon Consols, £44.

To Devon Friendship, 5s

To Orita, 21s

To Wheal Grebor, 22%

To Wheal Grebor, 22%

To West Folloren, 27s

To West Friendship, 5s

To West Folloren, 27s

To West Friendship, 5s

To West

Mr. Bumpus devotes special attention to these Securities, and is in a position to afford reliable information and advice to intending investors and others.

WILLIAM HENRY BUMPUS, SWORN BROKER, OFFICES: 44 THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1967,

RRITISH AND FOREIGN MINING OFFICES.

MESSES. PETER WATSON AND CO., 18, AUSTIN FRIARS, OLD BROAD STREET, LONDON, E.C. BANKERS: THE ALLIANCE BANK (Limited).

MESSRS. PETER WATSON AND CO.'S
BRITISH AND FOREIGN MONTHLY MINING NEWS
—STOCK AND SHARE INVESTMENT NOTES—MINES,
MINERALS, AND METAL MARKETS—SHARE LIST,
No. 854, Vol. XVII., for JUNE month, is now ready, and will be sent to customers on application.

AnnualSubscription...... 5s. | SingleCopy...... M R. ALFRED E. COOKE,
DEALER in BRITISH and FOREIGN STOCKS and SHARES
of EVERY DESCRIPTION,
(FROM 76, OLD BROAD STREET)
ESTABLISHED 1855.
9, OLD BROAD STREET, LONDON.

STOCKS AND SHARES FOR SALE. Mr. Alfred E. Cooke can SELL the following lots (or any smaller number of shares) to immediate applicants at prices annexed, free of

commission :-Where prices are not inserted, the market price of the day will be

PECIAL BUSINESS in all TLN, COPPER, LEAD, and GOLD SHARES for CASH or for settlement at end of JULY or AUGUST on payment of 20 per cent. deposit, FREE OF COMMISSION.

ALFRED E. COOKE, 9, OLD BROAD STREET, LONDON.

ROREIGN, AMERICAN, and RAILWAY STOCKS dealt in either for INVESTMENT or SPECULATION at CLOSEST MARKET PRICES FREE OF COMMISSION.

PRICES of every description of STOCKS and SHARES are received continuously throughout the day by TELEGRAPH from the STOCK EXCHANGE. TELEPHONE NUMBER, 1288.

ALFRED E COOKE, 9, OLD BROAD STREET, LONDON.

(Opposite the Stock Exchange, with which the offices are in DIRECT TELEGRAPHIC COMMUNICATION.)

TELEGRAPHIC COMMUNICATION.)

R. JAMES

2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.,
Alimeda, 13s.
Asia Minor.
Herodstoot, 6s. 3d.
Home Mines, 15s.
Brataberg, 42s.
Californian, 20s. 6d.
Calido Bis, 14s.
Can Cannonorne, 20s. 6d.
Cannonomorne, 20s. 6d.
Cannonomorne, 20s. 6d.
Chile Gold, 14s.
Colombian, 5s. 3d.
Colombian, 5s. 3d.
Colomdo, £3 3s.
Colontales, 4s. 6d.
Colondo, £3 3s.
Colondo, £3 3s.
Colondo, £3 3s.
Devon Friendship, 4s. 6
Eberchardt, 7s. 3d.
Devon Friendship, 4s. 6
Colorado, £3 3s.
Colorado, £3 5s.
Colorado, £3 5s.
Colorado, £3

Goginan, 138.

Special Business in East Rose, Old Shepherds, Tresaveans, Mounts Bays, and Indian Gold Mines, and all Stocks and Shares, ordinary and miscellaneous.

BANKERS: LONDON AND WESTMINSTER.

JOHN B. REYNOLDS, STOCK AND SHARE DEALER,
37, WALBROOK, LONDON, E.C.
Established Twenty-five Years.
BANKERS: LONDON JOINT-STOCK.

Mr. REYNOLDS, at considerable expense to himself, is prepared to advise as to the Purchase or Sale of Mining Shares on the receipt of a tee of 21s. His regular correspondents, however, can be advised gratuitously.

Mr. REYNOLDS refers to his past recommendations, and lays stress on the exceptional future evidently in store for certain Mines.

MR. E. J. BARTLETT, STOCK AND SHARK DEALER, 30, GREAT ST. HELENS, LONDON, E.O. Selected List of Investments post free on application.

M. R. ALEXANDER DAVIDSON, STOCK AND SHARE DEALER, LEADENHALL HOUSE, 101, LEADENHALL STREET, LONDON, E.C.

MR. W. MARLBOROUGH, STOCK AND SHARE DEALER,

29, BISHOPSGATE STREET, LONDON, E.C. (Established 30 Years)

75 Asia Minor, 15s, paid,

98, 6d. 50 Almania, 13s, 6d. 20 Frontino, £1 17s, 6d. 75 Parys Octobra, 3s, 6d

25 Birdseye Creek, £1 6 3 20 Home Mines Tr., 15s 3 10 Richmond, £7 8s, 9d.

30 California Gold, £1 13 80 Kapanga, 7s, 6d. 50 Sortridge Con., 2s, 3d.

100 Colombian Gold. 51 Langford, Silver, 7s, 3 2 845 on Cardon (Ltd.),

40 Corporation of South 55 Langford Silver, 7s, 3 2 845 on Cardon (Ltd.),

75 Asia Minor, 152, paid, 93. 6d. 20 Frontino, £1 173. 6d. 27 Forntino, £1 173. 6d. 28 Birdaseye Creek, £1 6 3 20 Home Mines Tt., 163 30 California Gold, £1 13 30 Kapanga, 75. 6d. 25 Leadhills, £2 10s. 4 25. 6d. 40 Mounts Bay, 78. 6d. 22s. 6d. 40 Mounts Bay, 78. 6d. 22s. 6d. 40 Mounts Bay, 78. 6d. 50 Caliao Bis, 138. 9d. 40 Mona Consols. 25 Leadhills, £2 10s. 27 Marke Valley, £7s. 28 Marke Valley, £7s. 29 Uni. Mexican, £57s. 20 Uni.

FERDINAND R. KIRK, STOCKBROKER, 5, BIRCHIN LANE, LONDON, E.O.

Fortnightly Accounts opened in all Stock Exchange Securities on receipt e

Fortnightly Accounts opened in all Stock Exchange Securities on receipt of the usual cover

SPECIAL BUSINESS in the following or any part:—

60 Almada, 13s. 6d. 40 Frongoch, 20s. 60 Panulcillo, £6¼. 50 Almadillos, £1½. 80 Goginan, 13s. 6d. 50 Potosi, 16s. 20 Potosi, 16s

BANKERS: LONDON AND WESTMINSTER, Lothbury.

"DIFFERENTIAL"
PUMPING ENGINE
(DAVEY'S PATENT),

DRAINING MINES, WATER SUPPLY OF TOWNS, IRRIGATION, SUPPLYING DOCKS, PUMPING SEWAGE, and GENERAL PUMPING PURPOSES.

HATHORN, DAVEY, AND CO., LEEDS.

HATHORN, DAVEY, and Co. have Patterns of "Differential" Engines of all sizes, from 5 to 500-horse power, and have facilities for supplying very powerful Engines and Pumps at a short notice.

M R · C H A R L E S T H O N
MINING AGENT, STOCK AND SHARE DEALER,
3, GREAT ST. HELEN'S, LONDON, E.C THOMAS

MR. ALFRED THOMAS,
MINING ENGINEER, AND STOCK AND SHARE DEALER,
10, GOLEMAN STREET, LONDON, E.C.

Now ready, post free, One Shilling.

SPARE CASH: WHAT SHALL I DO WITH IT?—A New Work for the Guidance of Investors.

Published by ALFRED THOMAS, M.E., 10, Coleman-street, London, E.C.

"Invaluable to those who a annot attend the markets."

STOCKS AND SHARES. O H N L E N N A N D C O.

JUNE OIRCULAR,

Containing latest information and Stook Exchange prices of all Leading

Securities,

POST FREE ON APPLICATION. C O.'S

5, GROCERS' HALL COURT, LONDON, E C.

GRANVILLE SHARP, STOCK AND SHARE DEALER,
32, QUEEN VIOTORIA STREET, LONDON, E.C.,
BANKERS: LONDON AND WESTMINSTER, London, E.C.

MR. J. GRANT MACLEAN, SHARESROKER AND IRONBROKER, STIRLING, N.B.,

Refers to his Share Market Report on page 739 of to-day's Journal.

MESSRS. ENDEAN AND CO., STOCK AND SHARE DEALERS, 35, GRACEOHURCH STREET, LONDON, E.C.

ESTABLISHED 1801.

Bankers: London and Westminster, Lothbury, E.C.

CHARLES J. SIMS, STOCK AND SHARE DEALER,
3, UNION COURT, OLD BROAD STREET, LONDON, E.O.
Weekly List of Prices, &c., post free, on application.
SPECIAL BUSINESS in Souback and Catir Aian, and British Manganese

JOHN RISLEY, STOCK AND SHARE BROKER,
AND MINING SHARE DEALER,
33, CORNHILL, LONDON, E.C.
ESPABLISHED 1850.
BANKERS: LONDON and WESTMINSTER, Lothbury, E.C.

Special selection of Mines for present investment—West Caradon, New Caradon, West Gonamena, New West Caradon, Wheat Crebor, West Crebor, Parys, and Longford. The acreage market value of the above mines a little later on will in all probability be hundreds per cont. higher.

MESSES J. TAYLOR AND CO.,
MINING ENGINEERS AND INSPECTORS.

56, LONDON WALL, LONDON, E.C.,
Have Agents in the various Mining Districts of Great Britain, the Continent,
Australia, and the United States of America.
Inspections undertaken, either personally or by our Agents, and Reports of
Advice as to Working given.

MR. W. B. COBB, 29, BISHOPSGATE STREET,

R. W. B. COBB, 29, BISHOPSGAIE STREET,
LONDON EC.
IMMENSE PROFITS AND LARGE DIVIDENDS.
TOLIMA.—Another good dividend will be paid in August next.
Western Andes, Colombian Gold, and Corporation of South Australian Copper
highly recommended.
ORGANOS GOLD AND NOUVEAU MONDE.—I am a buyer of 500 shares or

IMPORTANT TO INVESTORS.

ABBOTT, PAGE, NEIL, AND CO.'S

JUNE CIRCULAR

NOW READY, and POST FREE,

Contains full information relating to English, Colonial, and Foreign Railways,

Colonial Foreign Stocks, Transmays, Telegraphs, Telephones, Mines, and

other Miscellaneous Securities.

LOWEST COMMISSIONS.

STOCKBROKERS, 42, POULTRY, LONDON, E.C.

MR. W. BAWDEN SKEWIS, MINING AGENT, STOCK AND MINING SHARE DEALER.

2, ST. PETER'S ALLEY, CORNHILL, LONDON, E.C.

A reliable Price List issued every evening at Five o'clock, which can be had ree on application.

A reliable Price List issued every evening at Five octoon, which can be also ree on application.

Mines Inspected at Home and Abroad on moderate terms.

Mr. Skewis having had great and practical experience in Cornish Mining is, therefore, in a position to give trustworthy information.

Wheal Crebor, Bedford United, West Crebor, Prince of Wales, and Gunnislake (Clitters) are all promising mines. Prices low at present.

chase of these shares for an important rise.

SELECTED, PROGRESSIVE, AND DIVIDEND-PAYING FOREIGN AND COLONIAL MINES—Circular with full particulars, and table of returns, now restly. Frice 1s., free to clients.

WESTERN ANDES profit for March, £980; TOLIMA profit for March, £955; three weeks returns only.

Shares in Home, Foreign, and Colonial mines, bought and sold at net market prices, free of commission.

PURCHASES FOR FORWARD DELIVERY AT SPECIAL PRICES ON RECEIPT OF DEPOSIT OF 20 PER CENT.

BANKERS; ALLIANCE BANK (Limited).

# DE BEER'S MINING COMPANY, LIMITED,

Report of the Directors of the De Beer's Mining Company, Limited, at the Annual General Meeting of Shareholders, held at the Company's Offices, De Beer's, on the 7th May, 1883.

Gentlemen,—Your directors beg to submit their report on the affairs of the company, with a statement of accounts for the year ending March 31, 1883, showing a nett profit of £5654 8s. 7d., after distributing £37,714 10s. in the payment of dividends, and after expending on new machinery £7108 2s. 5d., and an amount of £19,467 9s. 7d. for the removal of floating reef.

FLOATING REEF.

During the year there have been removed 143,369 16 cubic feet loads of floating reef (130,370 by this company, and 12,999 by neighbouring claimholders), at a cost of £19,467 9s. 7d., by which your directors consider that 8½ claims have been freed from shale, giving at the present time 52 productive claims, and a balance of 32½ claims still to be cleared, which shows an increase of £6500 per claim cleared, according to the last mining board assessment.

After careful consideration your directors have decided to write off to profit and loss account the whole of the past year's expenditure, as well as the sum of £12,041 0s. 10d., which appeared as an asset in last year's statement.

asset in last year's statement.

MACHINERY.

The expenditure on new machinery in the year has been £7198 2s. 5d., including the hauling-gear sanctioned by the shareholders at the last annual meeting, and upon maintenance of machinery £7991 11s. 1d. On turning to the account it will be seen that the whole of the maintenance has been written off to profit and loss, and that £3108 2s. 5d., equal to about 10 per cent., has been written off permanent machinery for wear and tear. The whole of the machinery, property, and plant of the company has been carefully re-valued, and a statement of the same will be found in the schedule appended to this report, amounting to £28,000, which is carried forward to the debit of the account. The shareholders' resolution at the last annual meeting that £1000 be expended monthly on machinery and plant from Oct. 1 last, though not strictly adhered to, owing to the heavy fall in diamonds commencing from that month, has been practically carried out under the head of machinery, both permanent and maintenance. permanent and maintenance.

PUMPING CONTRACT.

The working of this contract has been carried on to the satisfaction of all parties.

DIAMONDS.

... 166,136

	BLUE GROUND.			FLOATING REEF.			ming.	R	ESULTS.		RAGE
Gears.	No. of actual Working Days.	No. of Londs Hauled.	Gears	No. of actual Working Days.	No. of Loads Hauled.	No. of actual Working Days.	No. of Loads Washed.	Diamonds in Carats.	Proceeds.	Average per Load.	Average per Carat.
No.			No.						£ s. d.		
1	137	42,225	1	143	49,539			1			
2	157	63,943	2	81	36,819			1 1			
3	187	55,482	3	108	36,654						
4	53	18,135	4	124	7,190						
			5	4	168						
4	312	179,785	5	287	130,370	305	166,136	149,396	158,675 4 3	19/14	21/3

Month.	No. of actual Working Days.	Diamonds Found in Carats.	Proceeds,	Average per Carat.	Month.	No. of actual Working Days.	Diamonds Found in Carats.	Proceeds.	Average per Carat.
1882.			£ s. d.	s. d.	1882.			£ s. d.	s. d.
April	24	8,332	15,352 12 6		Oct	26	14,676	15,252 6 0	21 1
May	26	9,604	12,541 14 6	24 0	Nov		14,718	13,910 12 6	18 11
June	26	8,751	12,075 0 0	27 6	Dec		14,488	12,305 19 6	17 0
July	24	10,286	12,488 8 6	24 3	Jan. '83	26	15,459	12,999 5 9	16 9
August.	26	13,217	16,574 19 0	25 0	Feb		13,198	8,531 13 4	12 11
Sept	26	12,1521	16,146 18 2	26 7	March	27	14,7223	13,495 14 8	18 4
Total	152	62,3424	85,179 12 8	27 4	Total	153	87,0531	76,495 11 9	17 8

SEARCHING SYSTEM.

The adoption of this system has caused a marked improvement in the company's finds. During the month of February before the men were searched, the company's finds were in the claims, 658½ carats, and on the floors, 1108½ carats, whereas during the month of March, when the system had been put in force they were in the claims 1234 carats, and on the floors 1530¾ carats, making a total increase in the latter month of 998½ carats.

Your directors have to report that, with regard to an action instituted by this company in June, 1881, against the Victoria Diamond Mining Company for damages sustained by reason of the flooding of this company's claims, judgment has been obtained against the defendant company for £990, with costs of suit, against which decision, however, an appeal has been noted. LEGAL.

DIVIDENDS.

During the year, as shown in the statement, £37,714 10s. has been paid in dividends, of which the sum of £7071 13s. 4d. was devoted to pay a liability of the Original De Beer's Mining Company—(before the amalgamation in March, 1881, with the firm of Stow, English, and Compton)—to the Cape of Good Hope Bank for monies advanced, this amount being equal to 1g per cent. on £424,300, the amount allotted in shares in the amalgamated company to the original shareholders.

There is still a similar liability to the extent of about £1200 due to the London and South African Diamond Mining Company and others against which there is an agest belonging the helders.

There is still a similar hability to the extent or about £1200 due to the London and South African Diamond Mining Company and others, against which there is an asset belonging to holders of original shares in the old company of 2700 £10 shares fully paid up, in the London and South African Diamond Mining Company, their present value being about £1500; and also Scrip in the International Diamond Mining Company to the extent of £63,627 11s. 6d., which, however, your directors consider of little

INDIRECT LIABILITIES.

INDIRECT LIABILITIES.

It must be apparent that any statement of a company's position should include the financial position of its Mining Board, especially as this company's interest in the mine (De Beer's) represents about one-third of its assessed value. The De Beer's Mining Board is not only free from liability but has a surplus of about £7000, as will be seen from the subjoined statement:—

De Beer's Mine, April 30, 1883

ASSETS. Arrear rates ... ... ... ... ... £13,099 0 0 Balance in bank ... ... ... ... ... ... ... ... 3,313 7 3 £16,412 7 3 LIABILITIES 

 Bills payable ...
 £ 6,076

 E. Jones, Reef (say) ...
 520

 Companies' Reef ...
 577

 Graham and Haarhoff (say) ...
 600

 Salaries ...
 177

I consider the Arrear Rates as good, and allowing £1000 to Victoria Company for reef, there will still be a balance to the good of (say) £7000.

(Signed) J. C. H. BOURHILL, Treasurer, De Beer's Mining Board. DE BEER'S MINE-MONTHLY RATES.

Section.	Assessment.			Number of Claims.	General Rate.			Reef Rate.			
A I.	£557,736	11	2	85 & 676 5-6 sq. ft.	£464	15	7	£1161	19	(	
A II.	427,123	5	3	67 & 192 73-112 ,,	355	18	9	1334	15		
В.	364,125	0	0	142 & 720 3 ,,	303	8	9	379	5	1	
C.	408,000	0	0	111 & 640 # "	340	0	0	425	0	(	
D.	225,500	0	0	187 "	187	18	4				
Total	£1,982,484	16	5	594 & 308 101-112	£1652	1	5	£3301	0	-	

De Beer's, May 5, 1883. (Signed) J. H. W. RAUSCH, Mining Overseer. The above shows that the rates levied monthly on the mine amount to £4953 1s. 6d., of which this company contributes £1615 19s. 10d.

Your directors have just completed a contract with Messrs. James and Co. for an output of 700 loads blue ground per diem to Dec. 31, 1883. The average output of the company during the past year has been 576 loads per diem. Owing to the larger area of workable ground this increased output will now be obtained, and your directors feel confident that, with diamonds even at their present low rates, fair dividends may be expected. Your directors have also arranged with the above contractors for a daily output of 500 loads of floating reef, at a total cost of 1s. 9d. per load.

In conclusion, your directors beg to refer you to the statement of accounts herewith.

C. J. RHODES, Chairman.

C. D. RUDD,

FRED. S. P. STOW,

ROBT, ENGLISH, FUTURE WORKING.

Directors. ROBT, ENGLISH, H. W. H. DUNSMURE,

only

£656 reve It offer

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of th

Ret Cost

Kimberley, March 31, 1883.

### THE DE BEER'S MINING COMPANY (LIMITED).

BALANCE-SHEET, March 31, 1883.

DR. LIABILITIES.				ASSETS.	CR	
To Capital account—				By Claim account—		
65,555 shares of £10 eac				" For 84 and 701 square feet		
	£665,550		0		0	0
III	5,683			" *Machinery account—		
	315			For machinery, property,		
	104	6	8	and plant, valued at 28,000		
" London account—				" Sundry debtors 351	7	4
Drafts against diamond	ls			"Diamonds shipped to London—		
shipped	5,000	0	0	6926 carats, valued at 6,951	1	2
" Sundry creditors	635	6	11	" Diamond suspense account—		
" Balance of profit and loss .	5,654	8	7	For 8534 carats diamonds		
				on hand, since sold for 738	12	6
				" Cape of Good Hope Bank—		
				For cash balance in hand 1,351	18	4
	£682,942	19	4	£682,942	19	4
				*Old account £24,000 0 0 New account 7,108 2 5		
				£31,108 2 5		
				Less depreciation 3,108 2 5		

We certify that we have examined the books, compared the vouchers, and checked the balances of the De Beer's Mining Company (Limited), and that the above statement is true and correct.

C. J. RHODES, Chairman.

N. E. PICKERING, Secretary.

W. H. CRAVEN, DAV. FRASER.

Auditors.

Kimberley, March 31, 1883.

PROFIT AND LOSS ACCOUNT.

Dr.				CE	
To Dividend account—			By Balance from last year £ 14,298	12	
5% per cent. paid during year	£37,714 1	0 0	" Diamond account—		
" Floating Reef account—			For proceeds of sale of 149,396 carats diamonds 158,675	4	
Balance of this account, April 1, 1882 £12,041 0 10			" Pumping contract—	4	
Amount expended			For amount received from		
from April 1, '82,			De Beer's Mining Board for		
to March 31,'83, 19,467 9 7			pumping in mine 10,800	0	
10 11 11 11 11 11 11 11 11 11	31,508 1	0 5		-	
Fuel account	8,857 1	2 10			
. Interest account	803 1	7 6			
" Machinery account—		1			
Maintenance £7,991 11 1					
Permanent, say		- 1			
10 per cent. off					
£31,108 2s. 5d. fordenreciation 3.108 2 5					
fordepreciation 3,108 2 5	11,099 13	8 6			
Produce account	4,371 10				
" Rates and licenses	19,346 14				
Working expenses	64,416 17				
	5,654 8				
" Balance of profit					

We certify that we have examined the books, compared the Vouchers, and checked the balances of the De Beer's Mining Company (Limited), and that the above statement is true and correct.

W. H. CRAYEN, DAV. FRASER, Auditors.

N. E. PICKERING, Secretary.

SUPPLEMENTARY REPORT. Your directors are pleased to report that the result of the company's work since the above statement shows at the present time after payment of working expenses:—

Cash on hand ... ... ... ... ... ... Diamonds on hand, 8448 carats (say) £589 10 3 8,448 Balance due for diamonds shipped to London ... 1,450 0 0

C. J. RHODES, Chairman C. D. RUDD, FRED. S. P. STOW, ROBT, ENGLISH H. W. H. DUNSMURE,

Directors.

Kimberley, May 7, 1883.

Total... ... £10,487 10 3

## ISSUE OF 10 PER CENT. FIRST MORTGAGE DEBENTURES AT PAR, REDEEMABLE AT 20 PER CENT. PREMIUM.

MORE THAN ONE-THIRD OF THE AMOUNT HAS ALREADY BEEN APPLIED FOR.

### GOLD HILL MINES, LIMITED. THE

CAPITAL £140,000, IN SHARES OF £1 EACH.

Divided into 102,562 Ordinary Shares of £1 each, and 37,438 Preference Shares of £1 each. Of which all the Ordinary Shares and 9159 Preference Shares have been issued.

CREATION OF £25,000 TEN PER CENT. FIRST MORTGAGE DEBENTURES, redeemable in Five Years, exchangeable into Preference Shares at any time until redeemed at the option of the Holder.

> Issue of £15,000 Debentures, part of the above, in Debentures of £25, £50, £100, and £500 each. Price of issue Par, redeemable at 20 per cent. premium.

#### DIRECTORS

Col. W. M. COCHRANE, CHAIRMAN.

J. E. NAYLOR, Esq., DEPUTY-CHAIRMAN.

H. NELSON, Esq. R. S. ARCHBOLD, Esq.

T. TURNER, Esq. THOMAS TREGELLAS. Esq.

RESIDENT DIRECTOR IN AMERICA—M. L. HOLMES, Esq.

MANAGER IN AMERICA-W. TRELOAR, Esq.

Secretary—G. C. HARVEY, Esq.

Applications are invited for £15,000, part of £25,000. Ten per cent. First Mortgage Debentures, the repayment of which will be secured by a deed of trust, vesting in trustees the freehold and other property of the company for the benefit of the debenture-holders.

The debentures are issued to pay off existing liabilities, to erect additional stamps, and to develope the mines on a larger scale.

The properties comprised in the deed of trust are the freehold estate and mines, consisting of upwards of 1000 acres, with the plant and machinery thereon.

The company has, during the past 12 months, been engaged in reopening the Randolph Mine, which has now been pumped dry to a depth of over 700 feet; and from advices received (dated May 16),

### PRODUCE OF GOLD.

										028. 1										0.74
350	1									19	No. 22									Oza,
740.	- J	* *	* *	4 8	* *			* *	 * *	12	20. 22	* *	* *	* *	* *	8.8	× 4	 	* *	2
**	2						* *		 * *	10	,, 28					* *		 		2
**	9					* *		* *	 	4	,, 31			* *				 		6
**	13								 	17	,, 34							 		905
	90									8										

Per ton of 20 cwts, of Ore.

state of the mines, and the option of conversion into preference chares, the investment now offered presents advantages seldom tainable on a mining security.

With reference to the estimate of revenue, the directors beg to give that made by Mr. Treloar, the company's manager, on the formation of the company in April, 1881, which is as follows:

Returns-43,200 tons of ore at 1 oz. of gold per ton, at

£3 15s. per oz. ..... £162,000 Cost-Cost of working, as per estimate .....

Annual profit ..... He further states that this return-large as it is-would be still that date.

The total interest required for the whole issue of the debentures is | further increased by all the ore which yields above 1 oz. to the ton.

only £2500 per annum; or, with a sinking fund of £4000 per annum, £6500, less than one-fifteenth of the undermentioned estimated revenue.

It will be seen, therefore, that taking into consideration the security offered, the rate of interest, the bonus on redemption, the forward state of the mines, and the option of conversion into preference interests, the Barnhardt and other lodes runstate of the mines, and the option of conversion into preference interests the best work out; but there is the Barnhardt and other lodes runstate of the mines, and the option of conversion into preference interests the forward that the ore which yields above 1 52, to the ton, and he adds:—

"Randolph's lode runs about 680 fms. through the estate, almost entire, and in places it may be found still more productive than where it has been worked upon; therefore, taking the length of this lode at 600 fms. only, the depth 150 fms., and a cubic fathom 20 tons, this lode alone would take about 27 years to work out; but there is the Barnhardt and other lodes runsiant theorem when yields above 1 52, to the ton, and he adds:—

"Randolph's lode runs about 680 fms. through the estate, almost where it has been worked upon; therefore, taking the length of this lode at 600 fms. only, the depth 150 fms., and a cubic fathom 20 tons, this lode alone would take about 27 years to work out; but there is the Barnhardt and other lodes runsiant theorem. ning through the property, which are also almost entire, and pro-

The debentures will be issued at par for sums of £25, £50, £100, The debentures will be issued at par for sums of £25, £50, £100, and £500 each, made payable to the registered holder, and carrying interest from the dates upon which the several instalments are paid, at the rate of 10 per cent. per annum, payable half-yearly on the 30th December and 30th June, at Messrs. Brown, Janson, and Co., Bankers, 32, Abchurch-lane. The first payment will be made on the 30th December next.

The bonds are redeemable in five years—viz., on 1st July, 1888, and the trust deed provides that one-half of the profits in each year up to £4000 shall be set aside to pay off the debentures at 20 per cent. premium at the expiration of the five years, or at any time prior to that date.

The price of subscription is par, payable as follows:-

## 50 on each £100 applied for, payable on Application,
## 50 on allotted,
## 25 on allotted,
## 30 on 15th September.
## 525 on a on 15th November.
## 525 on a on 15th December.
## 525 on a on 15th December.

Applicants will have the option of paying up in full on allotment under discount on the prepayments at the rate of 10 per cent. per here no allotment is made the deposit will b returned in full

In case a less number of debentures is allotted than is applied for the excess of the deposit will be applied in or towards payment of the future instalments due upon such number as may be allotted.

Applications on the annexed form should be filled up and sent to the Company's Bankers, Messrs. Brown, Janson, and Company, 32, Abchurch-lane, London, E.C., accompanied by a deposit of 5 per cent. upon each £100 of debentures applied for.

Prospectures and forms of application can be had on application.

Prospectuses and forms of application can be had on application by letter or personally of the undersigned.

By order of the Board of Directors,

G. C. HARVEY, Secretary.

36 to 39, Palmerston Buildings, Old Broad-street, London, E.C., 23rd June, 1883.

### Meetings of Bublic Companies.

EAST BLUE HILLS.

A general meeting of shareholders was held at the offices of the company, Gracechurch Buildings, Gracechurch-street, on Tuesday, Mr. J. Y. Watson in the chair.

Mr. C. B. Parry (the secretary) read the notice convening the meeting. The minutes of the preceeding meeting were read and

meeting. The minutes of the preceding meeting were read and confirmed.

The CHAIRMAN said: Gentlemen, the accounts to be presented today show a balance of assets over liabilities of 11671. 13s. 5d. We have sold altogether tin to the value of 2159l. 8s. 2d. In the present accounts 26 tons 13 cwts. are credited for 1452l. 10s. 10d. Our early sales were from tin stamped (by permission) at Blue Hills Mine; but when we could have the use of their stamps no longer we had to crect two water-wheels ourselves, one with four and the other with six heads of stamps; we have also built another wheel to drive 12 heads in the winter months. These erections have cost the company about 400d; and the decline in the price of tin has been about 120d. on our sales; these, with the interference with our sales for three months, at least, during the erection of the wheels, more than account for the difference between our present balance and that at the last meeting. Our last month's sale left a profit on the working cost of about 50l. The previous month's also left a profit. The accounts of the empany are audited every month by the committee, when all bills and royal-ties are paid up close; so that beyond the current monthly expenses at the mine, there is not a single liability upon it. At present, owing to the very dry weather, we are rather short of water, and are stamping our best work and stacking the poorer till the rainy season; the best work is very rich, as much as 4 cwts. of this to the ton. At our last meeting we had a rich lode of tim in the 40 upon which certain calculations were based, but this point has not turned out equal to expectation. I would here remind you that all our works are above the adit level, and looking at the quantity of tin sold in so short a time, and with such a small outlay, there is scarcely, as the purser has reminded me, a parallel case in Cornwall. And looking at the quantity of ore ground gone over above the adit level the question here arises, why not go deeper? And this can be done either by e

into four capital, and may soon have a great mine, for the purser will tell you that the great riches of the adjoining mines of which he is also purser. (Blue Hills and Penhalis) were all made below the adjt. In conclusion, the Chairman said that Mr. Pike, the purser, was present, and would be happy to answer any questions.

Mr. WALTER PIKE said:—Gentlemen, Mr. Watson has clearly stated to you what has been accomplished in this mine in working above the adit level, and that from that level alone nearly 40 tons of tin have been raised and sold. From this it is evident that we are warranted in sinking as with another level as productive as the adit has proved we should have a good mine. In the neighbouring mine of Blue Hills very little mineral was raised until a depth of 30 fms. In the provision of the provision

### NORTH BLUE HILLS.

A general meeting of shareholders was held at the offices of the company, Gracechurch Buildings, Gracechurch-street, on Tuesday, Mr. J. Y. Watson in the chair.

Mr. J. Y. WATSON in the chair.

Mr. C. B. PARRY (the secretary) read the notice calling the meeting. The CHAIRMAN said—This is an off-shoot of the East Blue Hills, and quite in its infancy. The accounts here show a balance of 796l. 7s. 10d., after paying for portable engine and every liability on the mine. Its situation, adjoining East Blue Hills, and near to Perran St. George, formerly one of the richest copper mines in Cornwall, is very favourable. About nine months since we commenced clearing an old adit, which proved rather tedious work. When cleaned the lode was found to be heaved by a cross-course. We then put out a cross-cut north, which communicated with a shaft sunk on a copper lode. Mon who worked at this shaft 40 years ago say that it was sunk about 15 fms. below adit by aid of horse drawing the water, and a good lode of copper was discovered; the winter's water proved too much for the horse, and the work was stopped. This lode, which as seen at the adit 22 fms. from surface is a strong one with copper and tin, is parallel and close by the clvan course, which made the riches of Perran St. George. We, therefore, purchased a portable engine, and erected it on the shaft. This engine will go to work this week, and within a month we hope to see the lode at the bottom of the shaft.

Mr. Pikk said there were people in the neighbourhood who could remember that 30 or 40 years ago the lode in the shaft yielded rich ore, but the one-horse contrivance which was thon employed to get it was inclinicant for the purpose.

that 30 or 40 years ago the lode in the shaft yielded rich ore, but the one-horse contrivance which was then employed to get it was inefficient for the purpose. The other day he was enabled to obtain cheap an eight-horse power engine, in excellent condition. The appearance of the lode lead to the belief that they would get something good. The Perran St. George Mine made great riches in the north. In the sivan course there was the promise of making something good. With the engine they could go 20 fms. deeper, and perhaps more. The Orianman said he remembered Foran St. George was the richest mine in the neighbourhood, with the copper of a rich quality.

Mr. Pitz said the mine was close to the Oliquers Point, in St. Anne's, one of the richest parts of the district.

Mr. Pikk said the mine was close to the Oliquers Point, in St. Anne's, one of the richest parts of the district.

Mr. Parr read the agent's report, as follows:—
June 16 — We commenced operations in this sett last September, by employing men to clear out the adit lavel, which had been driven by former workers, in order to ascertain the character and bearing of the lodes. The first lode explored was a tin lode, and of a promising kind, but not of a sufficient depth to produce much mineral. About 100 fms. from the mouth of the adit we found a cross-cut had been driven north 40 fms. and communicated with the engineshaft sunk on a copper lode—as we learn from men who had worked there some 40 years ago—and that the shaft has been sunk about 15 fms, below the adit by means of a horse-engine, and that a good lode of copper had been met with, from which a pile of copper had been raised, but the water having overpowered the horse-engine no further explorations were made. We have been fortunate enough to purchase an eight horse power portable e-gine, with pitwork, &c., all complete, and which when fixed and at work will not cost over 1001. We expect in less than a montit to pump the water out from the shaft, and see the lode at the bottom. We may mention that about 12 ims, to the north of the lode there is the celebrated eivan course, in conjunction with which all the rich bunches of

copper ore were found in the adjoining mine of Perran St. George. By continuing to sink the shaft we shall in course of sinking reach the junction of the apper lode, which underlies south, and the tin lode above referred to, which has a north underlie. We consider the prospects of the mine very encouraging. It can be worked at a very cheap rate, and the probabilities of meeting with copper ore at a comparatively shallow depth are also most encouraging.—S. RENNETE.

BENNETTS.

The CHAIRMAN moved the adoption of the accounts and the agent's report.

Mr. O. Webb seconded the motion, which was carried.

On the motion of Mr. O. Webb, seconded by Dr. Pett, a formal resolution was assed indemnifying Mr. Watson and Mr. Pike from all liability as lessors.

A vote of thanks to the Chairman closed the proceedings.

#### WHEAL HONY AND TRELAWNY UNITED SILVER-LEAD MINING COMPANY.

The third ordinary general meeting of shareholders was held at

The third ordinary general meeting of shareholders was held at the offices, Bartholomew-lane, on Thursday. In the absence of Mr. B. G. Goldsmid, the chair was occupied by Mr. KEPPEL GARNIER. Mr. H. R. LEWIS (the secretary) read the notice calling the meeting, and the report and accounts were taken as read.

The CHAIRMAN said he would not make many remarks upon the balance-sheet, nor upon the technical part of the subject, because Mr. Derry, the agent, and Mr. Loam, the consulting engineer, were both present, and would be able to give the fullest information upon all points. But probably the shareholders would like to hear something about the opinion of the directors regarding the property. He Derry, the agent, and Mr. Loam, the consulting engineer, were both present, and would be able to give the fullest information upon all points. But probably the shareholders would like to hear something about the opinion of the directors regarding the property. He would state—and in saying this he would state not only his own opinion, but the opinion of his brother directors—that every prophecy regarding the amount of silver-lead contained in Wheal Hony would be proved to be true, and that it contained as much silver-lead as any of the adjoining mines from which large returns had been made. No mine was better proved than Wheal Hony before it was taken over by the present shareholders. It was one of a series of rich mines which adjoined, and it would be wonderful if it were not rich. Within the last month or six weeks the lode had been discovered almost in the centre of the sett. That was the discovery alluded to in the reports of Captain Thomas and Captain Rich. Since then the accounts from the mine as atisfactory. Not only were the walls very well defined, but there was also some very excellent silver-lead ore. The whole configuration of the ground and the characteristics of the strata were almost identical with that particular portion of Trewtha where the richest silver over was taken from, and which averaged, some of it, 30 ozs, of silver to the ton. The ore which was cut there was cut close to the surface, and in Wheal Hony, at Lewis' shaft, it had been cut within 19 fms. of the same place. That was the chief point of interest in the mine at the present moment. They had also been stoping in the 103, whence they had taken from 800l. to 900l. worth of ore, which had been sold, and they had lake on sold, and they had lake one special one through, and there were used to hard poor ground; this had been experienced in the 108 level. They had had to drive 10 or 20 fathoms or more through upproductive ground, and they came to hard poor ground; this had been experienced in the 108 level. They had had to drive 10 or 2

ave to be forested.

Mr. Gwillam expressed the opinion that Lewis' shaft should have been started

Mr. Gwillan expressed the opinion that Lewis' shaft should have been started carlier.

Mr. Derry said there was no doubt Lewis' shaft might have been advantageously started before it was, but the working was commenced where it was because the local agent at the time insisted that they should drive out from the old Trelawny Mine, and ascertain the position of the lode. He nimself had always urged the sinking of the shaft upon the new mine, and if this had been done at first he believed they would now have been receiving dividends. By means of a plan he explained that in driving from the Old Trelawny Mine towards the new ground, and towards the Trewetha Mine, they came upon a piece of barren ground of a wedge-like form, which got narrower as depth was attained, but the deepest level was now driven quite under that piece of unproductive ground, and the end was letting in water freely. They would bring down Lewis shaft to that level, and then they would drive north and south upon the course of the lode. He believed that which a short time Wheal Hony would be a dividend-paying mine. They were expecting every hour to cut the lode again in the 10s, and a telegram just received from the mine gave indications that they were on the point of cutting it.

Mr. Loam (consulting lengineer) entered into some particulars to justify the placing of the shaft where it joined Wheal Hony the lode left off rich.

The resolution for the adoption of the report and accounts was then put and carried.

On the motion of the Chairman, seconded by Mr. Hamley, Mr. J. Romanes

The resolution for the adoption of the report and accounts was then put and carried.

On the motion of the Chairman, seconded by Mr. Hamley, Mr. J. Romanes was re-elected a director.

On the motion of the Chairman, seconded by Mr. Loam, the auditor, Mr. Fred. Pryce, was re-elected.

The meeting was then made special, and the Chairman moved that the capital of the company be increased by the sum of 25,0001, by the creation of 12,500 shares of 21. each, to be entitled to a preferential dividend of 10 per cent. on the sum paid up for the time being. He said the directors were all considerable shareholders, and their enly object was to make the mine profitable as rapidly as possible, and he believed this would be done if the board were placed in funds to push on the operations.—Mr. Hamley seconded the motion.

The SECRETARY, in reply to a question, said it was not intended to call up more than 15,0001, at the present time. The shares would be issued, in the first instance, pro rate to the shareholders.

After some short discussion on matters of detail the resolution was put and carried unanimously. A vote of thanks to the Chairman and directors closed the proceedings.

### EAST POOL MINING COMPANY.

EAST POOL MINING COMPANY.

The quarterly meeting of adventurers was held at the mine on Monday, Mr. G. A. MICHELL in the chair.

The usual preliminaries having been disposed of the statement of accounts were submitted showing a profit on the 12 weeks' working of 6914l., increasing the available balance to 8265l., out of which they had paid 250l. on account of the new cylinder, and proposed a dividend of 5400l. (1l. per share) leaving 1615l. to carry forward.

Capts. BISHOP, PENHALE, and CUENTS. in reporting upon the various points of operation said that with respect to the great lode the engine-shaft had been sunk 13 fathoms below the 200 fm. level. They had cut the top-plat, and were putting in the skip-road from the 200 to the 212 fm. level. They hope to commence to drive the cross-cut north to the great lode in about a fortnight. The winze in the bottom of the 200 fm. level west was down 11 fms. The lode was 7 ft. wide, and worth for the 35l. per fm. The 150 west was down 11 fms. The lode was 7 ft. wide, and worth for the 35l. per fm. The 190, on the south part of the lode, of the value of 30l. per fathom. The level each worth on an average 33l, per fathom and there were six stopes in the bottom of the 180 fm. level west was worth 20l. per fathom. The winze in the bottom of the 180 fm. level west was worth 15l, per fathom. There was a stope in the bottom of this level worth 30l, per fathom. The 150 west was worth 40l, per fathom. The 170 fm. level west was being driven by a boring machine. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promising character, and worth 30l. per fathom. The lode was of a very promisin level east was being driven by a coring machine. The lode was of a very promising character, and worth 30%, per fathom. There were two stopes in the bottom of this level, each worth 15%, per fathom. The 150 east was worth 20%, per fathom, and there were two stopes in the bottom of this level each of the value of 18%, per fathom.—South Lode: The 190 west was worth 25%, per fathom, and there is in the back of the level was of the value of 30%, per fathom. The 190 fm. level east from the cross-course was worth 20%, per fathom. The 180 west fwas worth 20%, per fathom and there were two stopes in the bottom of this level worth 25%, per fathom each stope. In the 170 there were five stopes, worth of copper and the tin 35% each stope.

Mr. HAY, (the purser) remarked that the report was as good as they had had for some time past; he added that the committee had decided to recommend the appointment of Mr. Branwell in place of Mr. Broad, deceased.

Upon the proposition of the CHAIRMAN, seconded by Mr. WOOLCOCK, it was unanimously resolved that Mr. Branwell be a member of the committee.

Mr. Branwell, in acknowledging his election, said that he was somewhat averse to honorary appointments, but he was asked so strongly by Mr. Haye to accept the office that he expressed his willingness, provided the shareholders were agreeable. He accepted with the more cheerfulness because the financial part of the business was in the hands of so able a gentleman as Mr. Haye. With reference to the remark of the purser as to their too deliberate way of paying their bills in the past, he thought it was a great mistake for a rich mine to take so long in paying bills. It was especially bad policy because they all knew, as men of business, that it was quite impossible to buy goods in the cheapest market unless they were prepared to pay for them.

Capt. Bishop, in replying to the vote of thanks to the agents, observed that for a long time it had been considered necessary to sink another shaft. At first it was afterwards felt that the most advisab

shaft. But it was now deemed most expedient, inasmuch as the flat ground was productive in the western part of the mine, that a shaft be sunk in the centre, between the caunter and the flat lode. This would allow of drawing from either of the lodes. And in going down on Price's lode the shaft would not only command this central position, but it would be put half the distances through the old workings. This would mean less expense, too, than the sinking of either of the shafts at first suggested. They had improved their stamping power at the Henrietta engine by 32 heads, and the engine was sufficiently powerful to drive 32 additional heads. Therefore, if they raised more stuff they would return more tin. The lode in the 20 in the engine-shaft of the great lode was valued in the winze at the last account at 45t, per fathom. That was on the point of the dip. Strange to say, the dips ran east. The lode was thrown out of its regular coat by the fissures, which they expected, something like 12 or 15 ft. Having gone through the fissures the lode formed its proper underlay, and the lode was never seen so well as now at the 11 fathom. The lode was 7 ft. wide, but they believed they would have more of the lode north of the north wall. The last three parcels made an average of 1 cwt. 0 qr. 9 lbs. to the ton of stuff. The lode was masterly in its character, and there was every element of productiveness that one could anticipate. It augured well for the 212. There was, too, an important feature in the flat lode at the 170. They had found, after the last 6 or 7 fms. driving, that the lode was taking a southerly direction, and instead of having 80 fms., as they had anticipated, they had 180 tms., 'provided it kept the same course. The lode did not seem to go into Wheal Agar as soon as they had expected. The last assay gave 3 qrs. 14 lbs. of the to the bon-a strong good lode, full of mundic, which was a great harbinger of strength to the lode. They, however wanted a better price for tin. They had a little tin in stock, and he A vote of thanks to the Chairman terminated the proceedings.

#### ANDERTON TIN MINE.

And the last.

A vote of thanks to the Chairman terminated the proceedings.

ANDERTON TIN MINE.

The four-monthly meeting was held on the mine on Monday, and was largely attended by the adventurers. The chair was occupied by Mr. J. MwRarx, the purser. The accounts showed that the income during the past four months from the sale of tin was \$534. 11s., and after payment of due, \$351. 8s. 3d., and all costs and charges, there remained a net profit of \$724. 3s. 11d., which added to cash balance brought forward from the previous account of \$901. 15s. 4d. showed profit of \$525. 19s. 3d. This was the net result of the arrangement manner which the mine was worked on tribute, receiving one-third of the engravement of the provided of the company. The substantial improvement in the value of the mine was now being worked by the company. The substantial improvement in the value of the mine was not being worked by the company. The substantial improvement in the value of the mine was not being worked by the company. The substantial improvement in the value of the mine was not being worked by the company. The substantial improvement in the value of the mine in the limit of the merchant were fully encounted to the working one of the provided the working ones. The 30 in, rotary engine which had been purchased will meet the working costs. The 30 in, rotary engine which had been purchased was now being erected, and the engine-house was ready to receive it. The 3-in, pitwork was being put in, and the shaft had been timbered and secured in the most substantial and permanent manner. The engine and pitwork cost the mine mothing, having been voluntarily presented by the lesses, so that the most substantial and permanent manner. The engine and provores the provided of the substantial and permanent manner. The engine and dressing tin sufficient to pay all charges. In about two months hence the engine would be at work, and the mine when the water became too quick for continuing the operations there. The lode going work to the work of the

### RHODES REEF GOLD MINING COMPANY.

A general meeting of shareholders was held at the Cannon-street

Hotel, on Thursday,
Major-Gen. ALFRED LIGHT, R.H.A., in the chair.
The SECRETARY read the notice convening the meeting, and the

Major-Gen. Alfred Light, R.H.A., in the chair.

The Secretary read the notice convening the meeting, and the report and accounts were taken as read.

The Chairman said: There is no denying that the quartz we have treated has up to the present proved unremunerative, though doubtless some loss of gold has occurred in the milling, but there is no reason to despair of better results. Let us not be disheartened too soon. In other auriferous countries (and the Wynaad is an auriferous country) the quality of the reefs generally have proved richer at great depths than near the surface, even where they have not been, as here, worked for unknown ages by miners whose means and appliances we have up to the present greatly underestimated. The whole of the outcrops of the reefs appear in the Wynaad the more we see of them to have been thoroughly worked out by our predecessors, when or how we cannot tell. Some months ago, gentlemen, we arrived at this conclusion, and sent out orders to Mr. Gitchell, your mining manager, to commence work at such depths as would strike the reefs absolutely below the lowest point the ancient miners could possibly have reached. There works are being rapidly pushed on, and on the result of these deep working a depends the fast of our company. As soon as from these lower depths trial crushings have been made you will be able to judge as well as we can iell you whether it is botter to go on or givelup. During the past few months we have made many economies, aspecially in our staff in India, by the substitution of Eurasian and native artificers and mechanics for the higher-paid European, and at home in the purchase and despatch of stones to the mines. In this last we have been greatly assisted, since he joined the board, by Sir L. Heath, whose experience of the management of another mine, not very rich in produce, has been mont valuable to us. As to the accounts, I think, gentlemen, that the most disappointed shareholder must, on going through them give us credit for not having wasted his money. You

and the consider that the whole expenses of next year should not exceed 65002. Practically this means sufficient capital to carry on for four years longer, if at our next meeting you should consider the results good enough to warrant our doing so. I ought not to allow Mr. Darlington's visit to the Wynaad to pass unnoticed. We pressed him to inspect Rhodes Reef, but he found himself unable to undertake the work consistently with his duty to the other companies by whom he had been specially retained. Mr. Darlington quite concurs in the policy we are pursuing. He considers there is full justification for the further limited trial we propose to carry out; and we were very gind to have his opinion that, judging from appearances, no money had been wasted in unnecessary machinery, or in the mine, the buildings, or on the works. Mr. WILLIAM HODDING seconded the motion. The mill when cleaned up in my presence, and, after seven and a half days' work, was again cleaned up in 26 ozs, free gold was obtained, or at the rate of nearly 3½ dwts, per ton. Maintaining that rate of working for 300 days in the year would give us an amount of gold which would make a material difference in the profit and loss sheet for next year. The labour question in certain months is, no doubt, formidable, as the native miners, as soon as fever sets in, have a lhabit of leaving for their homes till May to spend their previous nine months' earnings, but, in spite of this drawback, our manager has never been left totally in the lurch. Your mine is being proved at a further depth, which will materially add to your reserves of quartz. There is gold on your property, I believe, in greater quantities than has as yet been discovered. In a kindred company in a different part of India the manager has never been left totally in the lurch. Your mine is being proved at a further depth, which will materially add to your reserves of quartz. There is gold on your property, I believe, in greater quantities than has as yet been discovered. In a kindred company in

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timbered. They then sunk 23 ft. further, and came upon the reef, averaging about 3 ft. 6 in. In width, the stone in which was exceeding rich in visible gold, quite unlike the quartz hitherto discovered in the Wynaad, resembling more the gray and white quartz of Australia. It was estimated to produce 4 ozs. to the ton, but good judges said it would go more; 25 tons were then on the bank, and machinery was being prepared to crush it. Since then I have observed the statement of the crushing of 42 tons yielding 243 ozs. of gold, or at the rate of 5% ozs. per ton. I must say a few words about the surface indications in the Wynaad and on your property. The general concensus of opinion is that specimens collected from the various ourcrops give far better results than are to be obtained from stuff that has not been exposed to the action of the atmosphere. From the above cause the gold is liberated from the prites through the stones decomposing, and a show is thus to be obtained which you may look for in vain when not exposed to this influence. This has had a great deal to do with the estimates that were originally formed as to the value of the quartz on your property. As to pyrites. This question was exacting more than usual attention both on your side of the table and on this, and my first efforts were directed to giving it as extensive a test as my stay on the property would admit. The furnace for calcining the pyrites was got under weigh, and some 20 or 30 tons were burnt, and the Chilian mill and annalgamator set to work; some 18 tons were ground and treated, with the result announced to you by telegram—14 dwts. per ton. This result was most unsatisfactory, and your manager was not propared to account for it, pending further trials, beyond giving it as his opinion that the quartz which had produced the pyrites was so poor in the yield of free gold that it was reasonable to think that the pyrites were poor in gold also. He put aside the pyrites arising from the 150 tons crushed when I was there, yielding the 3½ dwts

He also asked why Sir David Salomons and Mr. Baxter had retired from the direction.

Mr. Skal thought the shareholders were exceedingly indebted to the Chairman and to Mr. Hodding for the frank manner in which they had brought everything before them. He wished, however, to call attention to the original prospectus, which contained assays and reports from Messrs. Johnson and Matthey and Messrs. Johnson and Co., the assays giving an average of 1 oz. 5 dwts, of gold to the ton of quartz. The statement was also made by Messrs. Johnson and Matthey that the samples were opened in the presence of a member of their firm, and from personal examination, they had reason to believe that the samples "must have been taken indiscriminately, and without any special selection." He (Mr. Seal) was anxious to believe that that statement was a true one; but he hought the time had now arrived for ascertaining whether there had been any grounds whatever for the issue of such a statement. In the report now sent out twas said that "the quartz from the part of the reef which was first opened up did not prove remunerative, the yield of gold having been about 1 dwt. per ton only." There was a very striking difference between these two statements. He thought they should have some explanation why the assays quoted in the prospectus were so immeasurably above anything that had since been ascertained. (Cheers.)

in was and the three was a very striking difference between these two statements the thought they should have some explanation why the assays quoted in the prospectus were so immeasurably above anything that had since been ascertained. (Cheers.)

Mr. Sands remarked that they had started operations expecting to find gold in a hurry; but they were now told they must go deeper and get under the native workings. He thought they should sink deeper, and give the property a fair trial before talking of stopping. He suggested that within a certain time the shareholders should be called together and informed of the results obtained from the deeper quartz. It would certainly be very premature to talk about winding-up when they were making these experiments.

Mr. EDMIN MAY, speaking as, perhaps, the largest shareholder in the company, said he took it that the statements contained in the original prospectus were based not upon crushings but upon assays, and that was a very important distinction. What they had found out was the mode of crushing adopted so far would not extract the gold. What he wished to ask was whether, since the company was commenced, they had had any assays made to show whether or not the original assays were fair?

Mr. FRY, in the course of further discussion, suggested that the shareholders should be advised of the progress of the operations from time to time.—The CHAIRMAN said that the reports were published periodically as soon as possible after they were reactived. To send all the reports round to the shareholders, of whom there were 2309, would be too expensive a thing to do.

The CHAIRMAN, in reply to General Fielding, said they had no cinchona plantations; theirs was simply a mining property. About 120 cas, of gold were now on their way home. The tunnels had only been begun recently, and it would be impossible to say at present how far they would have to go to re ch the lode. It was necessary to have three tunnels, as the lode might dip eccentrically.

The CHAIRMAN, in reply to questions asked, s

### INDIAN PHŒNIX GOLD MINING COMPANY.

INDIAN PHŒNIX GOLD MINING COMPANY.

The report prepared for presentation at the meeting on Tuesday next, when it will be proposed to wind-up the company voluntarily, and transfer the property and assets to the Indian Consolidated Gold Company upon such company undertaking to discharge the Indian Phœnix debts and liabilities, &c., and allotting 150,000 fully-paid 1! shares to the Phœnix shareholders, states that from the general tenor of Mr. Grove's reports, and the fact that he has persistently stated, and is still confident that so soon as the monsoon bursts he will be in a position to pay his way, the directors were led to believe that the funds at their disposal would have been sufficient for fully developing the company's mines. Mr. Darlington's report has thrown a certain amount of doubt on Mr. Grove's ability to realise his expectations, in consequence of the backward condition of the mining operations, though it speaks in high terms of the general efficiency of the machinery and the manner in which the works have been laid out, and gives it as his opinion that the company possesses in the Agnew and Cobra loise two recognised fissure reefs which have been proved to be gold bearing, but which have not yet been sufficiently opened out.

The directors have, therefore, decided as a matter of prudence that the necessary capital mentioned by him as required to develope the mines on an efficient scale should be provided. Several schemes for effecting this object have been considered by the directors, and after the fullest enquiry, and bearing in mind the disfavour into which gold mining in India has so suddenly failen, it was determined to enter into negociations for amalgamating this company with the Indian Consolidated Gold Company, the owners of the adjoining property, and who were known to have ample funds at their disposal. The directors of the Consolidated Company having received the proposal favourably a provisional agreement has been entered into, subject to the approval of the shareholders, for amalgama

### NERBUDDA COAL AND IRON COMPANY.

The report of the directors prepared for presentation at the meeting on Tuesday next congratulates the shareholders on the greatly im-preved position of the undertaking since the last annual meeting. The output of coal for 1882 amounts to 18,571 tons, of which 15,746 The output of coal for 1882 amounts to 18,571 tons, of which 15,746 tons were sales, the difference having been used at the collicries. This, as compared with 1881, shows an increase of 8117 tons, and is the largest since 1875. Appended to the report is a copy of the manager's report, which the directors consider in all respects satisfactory. It was anticipated that the manager would have been present at the meeting, and have answered personally any questions that might have been put to him, but owing to a serious illness which befel his assistant (a gentleman recently sent out from England to help the manager in his labours and superintend the works during his absence), he was compelled in the interests of the company to relinquish his furlough for another year.

his absence), he was compelled in the interests of the company to relinquish his furlough for another year.

It is with much pleasure the directors announce that coal has been reached in the "Helen" pit at a depth of 267 ft. from the surface, and that the sinking has passed through the No. 1 seam a thickness of 17 ft. Operations are now being pushed on to meet the No. 2 seam, which is about 70 ft. from the No. 1 seam, and must be reached before the No. 1 seam can be worked, as the cage arrangements cannot be put in until that result has been obtained. The manager expects to complete the work by the end of August, after which a full development of the seams will be commenced, thus giving facilities for a large augmentation in the output, provided the necessary labour can be obtained. It is expected that is soon as the shaft has reached the No. 2 seam, the present levels in that seam will be drained, and thereby enable coal to be got out of the existing workings with increased case and at less cost.

The accounts to be presented are very satisfactory. The revenue exhibits a profit of 53134, 16s. 11d., which, after writing off the year's interest payable on

debentures (1401.) and the balance standing to the debit of profit and loss, 1881—1132. 10s. 2d., leaves a surplus of 50601, 6s. 9d. available for dividend. This sum would admit of a dividend of 2s. per share (free of income tax) equal to about 4½ per cent., exhausting 4866. 14s., but insmuch as the revenue receipts have been applied against capital expenditure for the past and present year, it necessarily arises that in order to carry this into effect and to recoup the amount so expended, and likewise to provide for future contingencies, a call will have to be made. This course the directors have reason to believe will be in accordance with the wishes of the principal shareholders. The expenditure against capital for the past year has amounted to 6834. 10s. 9d., of which 2862. 14s. 3d. was charged to the "Helen" pit, and 11861. 18s. 4d. to borings, the balance being outlay on block and plant, buildings, stores, &c.

The surface expenses have been considerably increased in the past and present year owing to the fire which took place in the month of May, 1332, when the entire native villages were destroyed, including the engineer's bungalow. It is expected that the new site, selected with improved sanitary arrangements, will, in the end, prove to be of great permanent advantage. The liabilities of the company on Dec. 3i amounted to 25876. 6s. 2d., inclusive of the debenture debt now reduced to 15021.

#### RUBY AND DUNDERBERG CONSOLIDATED MINING COMPANY.

The report of the directors prepared for presentation at the meet-ing on June 26 states that the operations at Eureka during the last six months have been chiefly centred in the Home Ticket Mine, where

six months have been chiefly centred in the Home Ticket Mine, where the ore body, which was referred to in the last annual report, has been continually worked upon and developed; it was first encountered only 40 ft. below the surface, and was again struck in the 65 ft. level, widening and enlarging as it goes down, and what is of equal importance, the ore increases in quality as it is followed in depth; the assay at first was poor, and it did not do more than covercost of mining, but it has gradually improved, and the later shipments assay nearly \$50 at on in gold and sliver at Eureka standards. About 1550 tons of ore have already been taken out of this body, and the last reports do not mention any falling off either in size or quality. At the Dunderberg Mine work on the company's account was almost suspended in November last, as it was thought best to devote chief attention to the quick development of the ore body at the Home Ticket. The mine has, however, been worked on tribute to a considerable extent with very fair results; the receipts from this source to May 31 being about \$5500, which, it must be remembered is all profit. One important piece of work has, however, been carried on and completed—the upraise from the 300 ft. west cross-cut level to the bottom of the old workings. No ore was actually met with during this operation, though the indications in several places were favourable, and it is intended to follow these up; but now that connection has been made between the two mines it will be possible, should this ore body at the Home Ticket go down deep, to work same through the Dunderberg Mine, and thus reduce the cost of mining cassiderably.

With regard to the Lord Byron and Valentine Mines, since the last report

to will be possible, should this ore body at the Home Heave government will be possible, should this ore body at the Home Heave government work same through the Dunderberg Mine, and thus reduce the cost of mining considerably.

With regard to the Lord Byron and Valentine Mines, since the last report some negociations have been entered into for their sale, but no definite arrangement could be completed, and for the present the matter is at an end. In the meantime some tributers have lately gone to work at these mines, and by last accounts were sinking a shaft from the surface, which was down 35 ft.; it is hoped that some good results may follow.

It has been decided to grant the lessees of the El Dorado Mine another year's lease, as they have done a great deal of work without, as yet, any return to speak of; they are still, however, very confident of ultimate success, from the indications which have been met with from time to time.

Efforts have been made during the last six months to lease one or two of the company's other mines now lying idle to some responsible company, but as yet without success; this matter, however, is having the constant attention of the board and of the manager at Eureka. -The directors have only further to report that, up to the end of February last, the receipts for ore did not balance the expenditure, the deficiency being provided by remittances from this side; but during March and April the ore receipts covered all expenses at Eureka, and if May a good profit was realised. Mr. R. Rickard in his last letter, received here on 8th inst., mentions that they are now equipped to raise from 15 to 20 tons a day, and if the ore maintains the present assay, a profit of from \$4000 to \$5000 a month should be realised.

### EBBW VALE STEEL, IRON, AND COAL COMPANY.

The report of the directors for the year ended March 31 states that the gross profit was 84,476*l*. 7s. 10d., from which must be deducted debenture interest and legal and head office expenses, 41,560*l*. 4s. 11d.: leaving net profit of 42,916*l*. 2s. 11d., of which 22,028*l*. 11s. has been debenture interest and legal and head office expenses, 41,560/. 4s. 11d.: leaving net profit of 42,916/. 2s. 11d., of which 22,028/. 11s. has been written off for depreciation of property and 20,877/. 11s. 11d. carried to profit and loss account, which is thus increased to 42,058/. 12s. 3d.; out of this the directors recommend the payment of a dividend of 5s. per share, free of income tax, amounting to 18,618/. 15s., carrying forward the balance of 23,439/. 17s. 3d. to next year's account. The outlay on new work during the year has been larger than usual, and has been caused by the failure of the blast-furnaces at Sirhowy and Victoria, the replacement of which on the best principles was an absolute necessity to meet the requirements of the works as well as to decrease cost of manufacture. Arrangements have been completed for leasing to a substantial company the Aborcan Colliery, together with the Ebbw Vale Company's freehold property at Cwm Carne; and it is anticipated that in another 12 months' operations will be so far advanced that coal will then be got in large quantity, thus yielding the company a considerable revenue. A statement exhibiting the amounts owing on mortgage, debentures, and loans at the close of each of the six years from 1873 to 1833, both inclusive, is given, and shows that the amounts due were 659,244/. in 1878, and that it was reduced to 573,103/. in the following year, to 568,815/. in 1830, to 552,775/. in 1831, and to 511,043/. in 1832. It us 1833 it was 534,321/. The bonds (30,000/.) deposited with the bank as collateral security have been withdrawn. The annual accounts of the trustees of the mortgages' account cannot be renewed. The total amount of bonds repaid by the trustees to March, 1833, is 80,800/. Any bonds paid out of the fund of the mortgages' account cannot be renewed. The total amount of bonds repaid by the trustees to March, 1833, is 80,800/. Any bonds paid out of the fund of 64,929/. in the hands of the trustees, which has been subscribed for debentures, and, with the sum

### OWEN VEAN AND TREGURTHA DOWNS MINES

The subjoined second report by Mr. Thomas Collingwood Kitto

The subjoined second report by Mr. Thomas Collingwood Kitto, M.E. (dated June 11), has just been received by the directors:—
Agreeably to your request I have again inspected the Owen Vean and Tregurtha Downs Mines. Seven months ago I visited those mines for the first time and was particularly struck with the highly metalliferous character of the geological formation of the whole of the locality of which they form the centre. At that time the mines were full of water to within a few feet of the surface, the addit was found to be caved in in repositors. adit was found to be caved in in many places, the engine-house for the reception of the 80-in cylinder engine was only just commenced the reception of the 80-in. cylinder engine was only just commenced to be built, and it was remarked by some mining men present that it would take from 18 to 20 months before the water was out of the second level. But I find that already (less than seven months from my last visit) the adit has been cleared and properly secured so as to carry off all the water from the surface to the horizon of the adit; the very substantial engine house has been completed and one of the best 30 in. cylinder engines in England has been erected in such a manner as to reflect a large amount of credit on the principal engineers, Messrs. Loam and 8on, and the subordinates; the mines have been drained to a depth of 20 fms. below the adit, two permanent hauling shafts—stack and water stile, have been cleared, enlarged and substantially timbered for a depth of 7 fms. below the adit, the bridge, or footway shaft, has been repaired and properly completed to a depth of 25 fms. below the adit, Carpenters' and smiths' shops and the necessary store-houses have been built and attogether. I must say the executive have displayed an amount of energy and economy which reflects much credit on themselves and cannot fail to hispire confidence in the general body of shareholders. So far everything has gone overy satisfactorily and the company are to be congratulated on receiving full value for their money, which, unfortunately, is not always the case in reopening min-s.

Probably the company are as anxious for my oninion of the ultimate value of

commence the general body of sanctholders. So harderly thing in some on very satisfactority and the company are to be congratulated on receiving full value for their money, which, unfortunately, is not always the case in reopening mires.

Probably the company are as anxious for my opinion of the ultimate value of the property as they are of learning, from an independent source, the success which has already attended their efforts.

You will remember that in my report of Nov. 13 I called attention to the suite of lodes contained in the fine run of argillaceous schist which has been proved to be valuable for copper and tin. I may now add this run of schist dips north and has a longitudinal bearing almost due east and west. Towards the hanging or head wall of the run of schist and parallel with it there is a regular and well-defined lode, which has been named the North Lode, and towards the south side of the schist there is a regular and well-defined lode which for convenience has been named the South Lode. Between the north and south lodes there are numerous veins and cross veins, which partake of the true character of the lodes and which, if I read the geological evidences allright, form a very important feature in connection with the property.

On the south lode seven shafts have been sunk to depths varying from 20 fms. to about 56 fms., and these shafts have been connected by three tunnols driven at 10, 20, and 30 fms. below the adit and nearly all the lodes between the tunnels have been taken away by the old workers evidently at a profit.

Below the 30 this lode may be said to be entire, inasmuch as the only work done below that point is the sinking of the engine-shaft and the driving of the two tunnels at a short distance at the 40 and 50 respectively; both the sinking and driving was dead work to the former workers, and from which the present company will derive the entire benefit, inasmuch as when the water has been drait ed out of the 50 there will be standing 20 fms. of lede in high ground, which has bee

tin per ton; but this, I think, would be much above the general average and, therefore, cannot be taken as a fair estimate; there is, however, a good payable lode at the 20 west of Bridge shaft, which is capable of supplying a large number of stamps and which can be returned at a good profit. Setting aside the favourable opinions I entertain of the geological features of your property there is the fact that the ancient workers have left exposed to view large bodies of tin ore, which, with our scientific improvements, can be returned immediately at a good profit and, in my opinion, this fact speaks volumes in favour of the ultimate success of your mine. I have every reason to believe the north lode is equally as valuable as the south lode, the geological evidence being the same and the fact of all the lode having been stoped out (excavated) between the shallow levels is a proof of its former productiveness. I believe you have only to sink the mine deeper and exercise the same energy and economy which have hitherto characterised your efforts, in order to have a good substantial dividend-paying mine.

I strongly advise you to spare no expense in getting the water out of the bottom of the mine as quickly as possible and to erect powerful stamps without any delay.

WEST WHEAL PEEVOR.—At the meeting, on Thursday (Mr. Thos. Pryor in the chair), the accounts showed a loss on the four months' working of 1521/. A call of 10s. per share was made. Referring to the prospects of the mine, Capt. White asked the shareholders to consider the report of last meeting, from which they would remember that they had then just commenced to drive in the old levels from Wheal Peevor. As a result the greater portion of the period had passed before any advantage could be derived from the driving in these levels. In the first four weeks nearly their whole time was occupied in fixing the skiproad. He was sorry to find that more tin had not been returned. There were 4 tons less than last time. If they should be able to keep the stamps fully supplied he believed they would be able to pay cost, if not do more than that even. He considered the prospects of the deeper levels west of the cross-course greatly beyond anything they had yet seen in the upper levels, He had great faith that they should meet with something profitable when they cut the lode west of the cross-course at the 60, which they were now driving. He looked for increased returns in the next 16 weeks.

Young's Paraffin Light and Mineral Oil Company.—At WEST WHEAL PEEVOR .- At the meeting, on Thursday (Mr. Thos.

Young's Paraffin Light and Mineral Oil Company.—At the meeting in Glasgow, on Tuesday, the Chairman stated that all the old retorts were being superseded by the newest and most improved type, and of these there were now no fewer than 576 in operation, with 324 yet to reconstruct. He also mentioned that a new shale field had been leased by the company, and great results were expected from it. The company's sales of paraffin candies had increased more than four-fold during the last ten years. Last year's deliveries were 20 per cent. In excess of those of the previous year, and for the current 12 months contracts had been secured for as many as were sold last year at an advance of 1d. per pound. A new refrigerator—the first of the kind—had recently been erected, and great results were expected from it. The Chairman then referred to the most important product, so far as their companylwere concerned—burning oils. Last year the price of oil, through the excessive production of petroleum in America was lower than it had ever been, and the difference between the price realism and the average of what their company derived for many years amounted on the present production to 200,000l. The report, which recommended a dividend of 4 per cent., was unanimously adopted. YOUNG'S PARAFFIN LIGHT AND MINERAL OIL COMPANY .-- At

#### THE COPPER TRADE.

Copper in ores Tons Copper regums and precipitate Bars, cakes, and ingots In pyrites, estimated.	11,586	 11,017		14,043
TotalEXPORTS.	32,334	 36,193		41,343
English copper—wrought and unwrghtTons Foreign copper—unwrought Yellow metal	4,575	 4,813	***	
Total	24,032	 23,245	***	26,823

At Truro Ticketing, on Thursday, 2566 tons of ore of 5g average At Truro Ticketing, on Thursday, 2566 tons of ore of 5\(^2\_8\) average produce, and containing 145 tons 0 cwt. of fine copper, were sold for 7677l. 2s., being 2l. 19s. 6d. per ton of ore, 10s. 7d. per unit, or 52l. 19s. per ton of fine copper in the ore, and an average standard of 10ll. 12s. Subjoined are the particulars of the two last sales:—
Date. Tons. Standard. Produce. Per ton. Per unit. Ore copper.
May 31... 759 ... £ 92 16 0 ... 7 ... £3 15 0 ... 13s. 9d. ... £53 12 0
June 21... 2566 ... 10 112 0 ... 5\(^4\_4\) x. 2 19 6 ... 10 7 ... 52 19 0
Compared with the last sale the advance has been in the standard 1l. and the price per ton of ore about 1s. 4d.

GAS SHARES.—The principal business in these shares, according to this evening's report of Messrs, W. L. Webb and Co., of the Stock Exchange of Finel-lane, has been:—Bombay (Limited), 6%; New, 4%; Buenos Ayres, ew (Limited), 8%; Continental Union (Limited), 69 and 72, 18%; European ew, 3%; Gas Light and Coke, A (Ordinary), 189½ to 189½; ditto, H, 7 per ent. Max., 140 to 141; Imperial and Continental, 199 to 200½; London Gas ight Ordinary, 220; ditto, First Fref., 145; Malta and Mediterranean, 21½; eltropolitan of Melbourne 6 per cent. Debentures, 100; Monte Video (Limited), 15 to 15½; O'rental (Limited), 7½; ditto, 279, 1½; O'ttomau (Limited), ½; Rio de Janeiro, 23½ to 23½; South Metropolitan, B, 192 to 192½. Gas tocks steady, especially London Gas, upon the amalgamation with the Gas INSUMANCE Standard Section 2007.

Light and Coke company. London Gas, upon the annugunation with the Gas Light and Coke company.

INSURANCE SHARES have, according to this evening's report of Messrs, W. L. Wann and Co., of the Stock Exchange and Finch-lane, been dealt in as follows:—Alliance British and Foreign, 36; City of London Piro (Limited), 15/4; : Commercial Union, 195;: Fire Insurance Association (Limited), 25/3; It werpool, London, and Globe (16. annuity), 23/4; Law, 58/4; London and Provincial Fire (Limited), 5/4; ditto Marine, 4½; Maritime, 5/4; Rock Life, 8/4s. Insurances steady. Fire companies firmer. Marine Insurance better upon good dividend.

TRAMWAYS.—The closing prices of this evening, as quoted by Mr. W. Annuity, of Tokenhouse-vard, are given in tabular form in the last vage of

W. ABBOTT, of Tokenhouse-yard, are given in tabular form in the last page of the Journal.

w. Addot. of Tokenhouse-yard, are given in tabular form in the last page of the Journal.

RAILWAY AND GENERAL MARKETS.—Referring to the course of business done to-day during official hours (11 to 3) Mr. Ferdinand R. Kirk, Birchin-lane, writes:—Opening: Yesterday's drop of 236 in Brighton, A. appears to have brought in buyers, the price being 12, better, at 1121. American railways are better, Erica being 33, and Atlantic Firsts 48½. Trunk Ordinary are again 19, and the Third Preference 44½. In the mining market considerable attention has been paid to Organys throughout the week. After being 250 2½, the price is 1½ to 1½. The decline appears to have been brought about by a circular emanating from a person not a shareholder. Wheal Crebors are only quoted 2½ to 2½; next month a dividend will be paid, estimated at 2a or 2s. 6d. The dividend now declared on the New port Abercam Coul Company brings up the total distribution for the year to 10 per cent. The 10f. shares ought to be at least pay, one would think. Bratsherg, 2 to 2½, and in demand. Choutales, 4s. to 5s.; East Wheal Rose, 11s. 3d. to 12s. 9d. Home Mine Trust continue scarce, now \$\frac{3}{2}\$ to \$\frac{3}{2}\$. Mounts Bay, 5s. to 7s.; Old Shepherds, 11s. to 13s.; West Crebor, 6s. to 8s.; South Caradon (Limited), 16s. to 15s.; La Plata, 20s. to 22s. 8d.; Wheal Peevyr, 3½ to 4½ call (20s.) paid; Richmond, 7, to 7¾; Goginan, 12s. to 14s.; Frongoch, ½ to 1.— Closing: Atlantic Firsts have become flat on a renewal of the rumour that there will be no cash payment on the lat prox.—price is only 47½ to 48. Brighton, A, now show a recovery of 2 on the day. Fennsylvania Six per Cent. are \$\frac{2}{2}\$ to 4.

THE LIST WILL OPEN on SATURDAY, 23RD, and CLOSE on or before WEDNESDAY, 27TH JUNE, 1883.

THE

# WEARDALE LEAD COMPANY

(LIMITED).

.. .. .. £200,000,

In 50,000 Shares of £4 each.

PAYABLE :-

10s. on application, and 10s. on allotment, And the remainder, if required, in amounts of not exceeding Five Shillings per share, with intervals of not less than Three Months between each call.

DIRECTORS.

GEORGE RICHARDSON, Esq. (Chairman of the North Metropolitan Tramways Company), 3, Lom-bard Court, E.C.—Chairman.

BENJAMIN BROUGHTON, Esq. (Deputy-Chairman of the Richmond Consolidated Mining Company), Bradford.

GEORGE HOPKINS, Esq., (Chairman of the Richmond Consolidated Mining Company), 30, Parliament Street, 5.W.

JOSHUA MAXFIELD, Esq., Sheffield.

TUFNELL SOUTHGATE, Esq. (Chairman of the Roman Gravels Lead Mining Company), Temple,

COMMERCIAL AGENTS.

Messrs. LOCKE, LANCASTER, and CO., St. Peter's Chambers, Cornhill, E.C.

G. J. BATTERS, Esq., Crown Court, Old Broad Street,

BROKERS.

Messrs. WOOLSTON and BELTON, 6a, Austin Friars, London, E.C.

BANKERS.

The NATIONAL BANK (Limited), 13, Old Broad Street, London, E.C.

> SECRETARY AND OFFICES. W. J. LAVINGTON, Esq.,

DASHWOOD HOUSE, NEW BROAD STREET, E.C.

### PROSPECTUS.

This company has been formed to acquire a lease of the lead mines and smelting-works lately held from the Ecclesiastical Commissioners by W. B. Beaumont, Esq., M.P., situate in Weardale, Durham, and the adjoining district, comprising an area of about 85

square miles.

The mines have been worked for about 300 years, and have returned large sums in profits, the output for the 21 years ending 1880 having been upwards of 8000 tons per annum.

Since that time, in consequence of disagreements between the lessors and the lessee and of strikes amongst the workmen, operations at the mines have been spasmodically conducted.

The mines are believed to be the richest of their kind in England; the ores contain upwards of 8 ozs. of silver per ton, and the lead commands the highest price in the market; and, judging by the reports received, are such that, to all appearances, large returns and profits may be continued for an indefinite period, as out of this district of about 85 square miles a small area only has been explored or developed, and notwithstanding that the mines have been profitably worked for many generations, they are still pronounced to be but in their

It may be found advisable to organise other companies to work portions of the grant in order to concentrate the energies of this company on the proper development of the mines now in work. The permission of the lessors would have to be obtained before this could be accom-

A feature of importance in the formation of this company is that no price is charged for the mines. The lease will be for 60 years from the 1st of July, 1883, direct from the Ecclesiastical Commissioners, tithe free, to the company, and on more favourable conditions as regards royalty, &c., than that paid by the former lessee.

The only charges against capital for the acquisition of this property will be a payment of £25,000, for tenant's plant and stores, &c. The preliminary and The preliminary and legal expenses, as sanctioned by the Commissioners, incident to the formation of the company up to date of allotment will be covered by a charge of 3 per cent, on the nominal capital.

Extracts from a correspondence between the lessors and lessee, published in the Northern Echo, of February 18th, 1882, bearing on the productiveness of the mines, together with reports of J. B. Stewart, Esq., of Wanlochead, mineral agent to the Duke of Buccleuch, James Blenkiron, Esq., of Arkindale, and Capt. John Trelease, of Healeyfield, are annexed to the prospectus.

If no allotment is made the deposit will be returned

Prospectuses and Forms of Application for Shares can be obtained at the Offices of the Company, or at the Brokers or Bankers.

### Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ANDERTON TIN.—W. J. Bowhay, June 20: I can only confirm the reports made at the meeting on Monday. Everything proceeds with energy. The lode is as good as reported, the stamps are kept well to work, although some rain would help us to get through more stuff, which is of a fine quality. The engineers ere busy with the engine, and the shaftmen dropping the pitwork. The masons have completed the engine-house, and are setting the boiler and building the balance-bob pit.

BEDFORD UNITED.—H. Trezise, June 19: North Lode: In the 115 east there is no change to report; judging from the appearance of the ground we cannot be far from the lode, In the 103 west the lode maintain its size and character, worth 12', per fathom. The stopes behind the end are without alteration. The tribute pitches are about the same value.—M'Cullum's Shaft, Bridge Lode: The lode in the 62 east is looking exceedingly promising, producing good stones of ore of excellent quality. The lode in the same level west is not properly taken down, but as far as it can be seen there is no change to report. The 42 east is much the same as when last reported. The lode in the 30 east is not taken down, consequently there is no change to report. The Baldhu lode, in the 54 west end, is poor. In the east end, in this level, it is producing low quality tinstuff. The 42 east end is worth 6', per fathom. The Baldhu lode, in the 54 west end, is poor. In the east end, in this level, it is producing low quality tinstuff. The 42 east end is worth 6', per fathom. The 30 east end is at present unproductive. Elsewhere there is no alteration to notice.

BWLCH UNITED.—W. Northey, June 15: I can with pleasure inform you that we have plenty of rain to-day. It commenced raining last night about 11 o'clock, and to-day we are busily engaged on the mountain gathering the water into the ponds and settling the water-course, which has been greatly damaged by the rats and moles during the dry weather. To-morrow we shall commence crushing and dressing up the orestuff th

will be the height of my ambition.

CARN CAMBORNE.—W. C. Vivlan, June 21: The 105 cross-cut south is without alteration. The 95, cast of sump, on south lode, still cutting north through the lode. In the rise in the back of the 95, west of sump, on south lode, the lode is 3 ft. wide, composed of fluor-spar and yellow copper ore, yielding 3 tons of good ore per fathom. In the 40, west of engine-shaft cross-cut, on north lode, there are the same favourable appearances as were alluded to in my last, but the most productive part of the lode is now the central part, or rather more towards the north wall.

there were the same favourable appearances as were alluded to in my last, but the most productive part of the lode is now the central part, or rather more towards the north wall.

CARNARVONSHIRE GREAT CONSOLS.—W. H. Borlass, June 22: Since my last report we have made good progress in the sinking of the new shaft below the 24, now down 4½ fms. The lode continues very porous, and is producing more lead than at any time previous. I purpose to fix a plunger in the bottom of Endean's engine-shaft, which will do away with two drawing-lifts, and give us plenty of 11-in, pumps to continue on the sinking of the new shaft. You will no doubt remember that in driving the 24, west of Endean's cross-cut, we met with good lead near the bottom of the end in several places, to prove which I have put down a little sink about 5 fms. west of new shaft, and am pleased to say I have opened up so far a very nice branch of lead. In driving east of cross-cut we also had the best lead from the bottom of the level, which leads me to expect our 34 fm. level when extended will show something good. Our prospects in the bottom of the new shaft are very encouraging. Yesterday we had to stop the engine to repair toepin of crank, which had worked loose. Water in fort again this morning, and everything is working well.

CARNARVON COPPER.—J. Roberts, W. Darby, June 19: In the 46 (Cae-y-Groes) the ground continues to look very kindly, much the same as reported last week, and letting out a little more water. At the 20 (Garnon's) the lode is worth fully 1½ ton per fathom.

CATHEDRAL CONSOLS.—S. Davey, S. Davey, jun., June 21: There is no change worthy of special remark, except the lode in the 62 east is softer, yielding about the same amount of tin per fathom as when last advised.

COLLACOMBE CONSOLS.—Wm. Skewis, June 19: I was underground yesterday. The 93 is now cleared to the western winze. At this point I find the lode is standing by the side of the level, and there is some splendid copper or in the bottom of the 62 west. I am having the bottoms

also find we have a good lode of copper ore in the bottom of the 62 west. I am having the bottoms of all the levels searched, in order to see what has been left, and am finding more ore than I expected. I think that, in a little while, we shall be well piezased.

— June 21: The 96 is cleared, secured, and tramroad laid a little beyond the western winze. At this point I find the lode is standing by the side of the level, and is from 5 to 6 ft. wide, containing very rich quality copper ore. As soon as the level is cleared for 5 to 10 fms. more, I shall have the lode taken down, and I hope then to send you a good report on it. The lode in the stopes in the bottom of the 60 is looking better, and, from present prospects, we are likely to have a good parcel of copper ore from this place. The two stopes in the bottom of the 60 is looking better, and, from present prospects, we are likely to the 40 are also turning out very well. There is no alteration to notice in the lode cut in the 40 cross-cut since I wrote you last.

CONWAY VALLEY FREEHOLD COPPER,—H. B. Vercoe, R. Edwards, June 21: Since my last report the mine has very much improved. The lode in 42 south was then very hard and compact; it is now much more porous, and not het footwall there is a rich rib of blende, and nearer the hanging-wall a good mixture of copper 2 ft. wide, the latter we are saving for crushing and dressing, and keeping the blende for separate treatment. I am much pleased with the appearance of this end. It looks as it we had entered the run of ore seen in the appearance of viving in of late, and I believe we shall yet find the richest portion standing on the east side of the level to be much more cupreous than the part we were driving in of late, and I believe we shall yet find the richest portion further to the east. The lode here is opened on for 10 ft. in width, and if it maintains the same size as in the shaft, there yet remains 8 ft. to cut through Dressing going on as usual, and a parcel of ore will be ready forsale by the end of this

Dressing going on as usual, and a parcel of ore will be ready forsale by the end of this month.

CREIGIOG.—H. Hotchkiss, June 20: Meadow Shaft: To wait the arrival of more beards to finish casing this shaft, which were promised to-day. We are now rising pithead. This work will be finished to-morrow, when we shall go about to complete the fixing of ladders, casing, &c., in this shaft, which I hope to have accomplished early next week.—Eastern Workings: The 60 yard level is set to drive the mouth, by two men, at 103. per fathom: the ground is more favourable for progress, the lode, which is small, is kindly, and is letting out a little water these last few days. The winze to sink underneath the 60 is set to two men, at 169s, per fathom; the lode in the present bottom contains good quality blende throughout, but the lode is much smaller, and has become more vertical. We are preparing to put up a rise to prove the lode east of the footway in the 17, just over were we had the best ore before communicating this level with the 60; this will be a good trial, inasmuch as we have nearly 30 yards of maiden ground between this and surface, and the lode at this point is over 6 ft. wide, containing a sprinkling of lead ore and blende; set to two men to rise at 110s, per fathom.

CWM DWYFOR AND BRYNARIAN (Brynarian Mine).—L. Davies, June 21:

CWM DWYFOR AND BRYNARIAN (Brynarian Mine).—J. Davies, June 21: Joseph's Level: We are making better progress now in driving this level; the water is issuing out freely, and I think we are getting near the lode.—Pensarn: The lode in the 20 driving north is looking better, and contains very fine spots of lead; water begins to come out from the end, and it is looking encouraging for further improvement.

DERESBY MOUNTAIN.—J. Roberts, W. Sandoe, June 20: At times during the month, as we have mentioned in our weekly reports and letters, we have had to suspend raising lead on the hanging side of the lode, owing to the large amount of superincumbent shale overlying the lode, which we have had to remove and draw to surface out of the way, throwing our sampling a week later than it would have otherwise been. Still, we have managed to send a tolerably good supply of leadstuff to surface for treatment, and have sampled this week 20 tons, which will be sold next week. The lode on the hanging side is much of the same value that we have been reporting it before; worth about 2 tons of lead to the fathom as far as we have opened upon it, and if we find it to continue the same after having laid it open, or clear from the overlying shale, we shall be able to make very good returns. The lode in the heading side in the stope below the No. 5 continues without much afteration one way or the other. The lead is scattered through a very large portion of the lode, and by breaking it down in large quantities, or as it were, wholesale, it turns out a pretty fair quantity of lead. Owing to the protracted drought we are obliged to use the steam-engine to drive the cousher.

DEVON FRIENDSHIP.—F. R. D. Daw, Wm. Gill, June 21: Wa are

drive the consher.

DEVON FRIENDSHIP.—F. B. D. Daw, Wm. Gill, June 21: We are cased to inform you that everything is going on satisfactorily at the mine, ext week a full report shall be sent you on our underground and surface opetions.

rations DEVON GREAT CONSOLS.—Isaac Richards, June 21: Wheal Emma: In-clined Shaft: In the rise in the back of the 137 east rising is being carried by DEVON GREAT CONSOLS.—Issae Richards, June 21: Wheal Emma: Inclined Shaft: In the rise in the back of the 137 east rising is being carried by the side of the lode for more speedy progress.—New Shaft, New South Lode: In the 115 east the lode is 2 ft, wide, and yields 1 ton of copper ore and 2 tons of mundic per fathom.—Railway Shaft: In the 205 west on the south part of the lode the drivage is being carried by the side of the lode for more speedy progress. In the winze, Southcombe's, sinking below the 190 west, on the south part of the lode, the lode is yielding 2 tons of copper ore and 3 tons of mundic per fathom. In the 160 west, on the south part of the lode, the lode is from 4 to 5 ft. wide, or a promising character, and worth 1 ton of copper ore and 2 tons of mundic per fathom.—Watson's: The cutting of plat at the 100 at the engine-shaft is progressing fairly well. In the 100, west of the engine-shaft, the lode is 4 ft. wide, composed of capel, quartz, mundic, and a little copper ore. In the 20, east of the western shaft, the lode is 4 ft. wide, of a very promising character, and worth 1 ton of copper ore and 2 tons of mundic per fathom. There is no alteration of importance at any of the other points of operation throughout the mines.

is no atteration of importance at any or the other points of operation and another mines.

DEVON GREAT UNITED.—Isaac Richards, June 21: In the 120 fm, level, east of Willesford's shaft, the lode is 3½ ft. wide, composed of strong capel, quartz, peach, mundic, and a little copper ore. In the 120 fm, level, west of Willesford's shaft, the lode is from 2 to 3 ft. wide, yielding small quantities of copper and mundic ores, 1 fm. 1 ft. 6 in. has been driven at this level during the past week. In the cross-cut, north at the 63 fm, level, west of Watson's shaft on the middle lode, the ground is without alteration.

EAST BOTALLACK.—Thomas Trahair, June 20: Since we commence to sink on Thursday last we have sunk 3 ft.; the depth of the shaft is now 6 fms. The lode in the shaft has not been taken down since last Saturday. The lode in the east end is very much improved in size and quality. There is no change to notice in the west and since last reported\_on.

EAST CHIVERTON.—R. Southey, June 21: Since my last, on the 9th inst., four men have been engaged stoping the back of the 100 fm. level on the caunter lode, 3 fms. north, where it formed a junction with the east and west lode, and, judging by present appearances, there can be little or no doubt but what the caunter is the main lode in depth, and which will eventually prove the most productive of the two. In the south end, at the 100 fm. level, the two lodes are going just in the same direction, which is a proof the caunter is the champion, end driving by six men, at 64. per fathom; lode worth 15 owts. of sliver-lead per fathom. At the 90 fm. level we are still continuing the driving north on the caunter; end driving by four men, at 44. per fathom; it is advisable to push on this end, as there are in the upper lovels a great many cross branches, which possibly may form a junction at this depth; the lode is large and well-defined, producing some good stones of silver-lead. I hope to commence sending away the 50 tons of silver lead on Monday next.

EAST CRAYEN MOOR.—David Williams, June 14: The 76 has been extended upon the main lode, west of No. 2 heave, 9 fathoms. The lode here appeared as if opening out into a good body of ore, carrying very congenial matrix, with branches and boulders of lead ore, worth fully 30 cwts, per fathom; but is again inpped, and consequently not looking so well. A stope in the back of level in a lode, 3 ft. wide, and carrying a good mixture of lead ore. The winze below the 64 and under the perpendicular of No. 2 shaft is down 5 fathoms in a lode 3 ft. wide, and worth 25 cwts. of lead ore per fathom, wrought at by nine men at 90s. per ton of dressed ore. We have five pitches in the back of the 64 and 54 wrought respectively at 100s. per ton of dressed ore, and the woon surface dressing halvans.

GAWTON.—George Rowe, George Rowe, jun., June 16: The lode in the 117

iode, 3 ft. wide, and carrying a good mixture of lead ore. The winze below the 3d and under the perpendicular of No. 2 shaft is down 5 fathoms in a lode 3 t. wide, and worth 25 cwts. of lead ore per fathom, wrought at by nine men at 90s. per ton of dressed ore. We have five pitches in the back of the 64 and 54 wrought respectively at 100s. per ton of dressed ore, and two on surface dressing halvans.

GAWTON.—George Rowe, George Rowe, jun., June 15: The lode in the 117 leads in carried 7 ft. wide, composed of copper, spar, sulphur, and arsenical mundic, with a little copper ore to the amount of 9 tons per fathom. The lode in the trial witnes, sinking below the 117, is yielding 12 tons of arsenic and sulphur that this witnes, sinking below the 117, is without change during the past way and a stopes, in the back of the 117, is without change during the past way and a stopes, in the back of the 117, is without change during the past way and the lift of the 117 leads of the 118 leads of the 117 leads of the 118 lead

OHEAT WILEY ENGINEET.—Joseph Frisk, June 21. We are making good of the control of

JUNE 23, 1883.]

110, driving west of shaft on the main part, the lode is 5 ft. wide, yielding 2½ tons of ore per fathom, letting out a good deal of water, and looking very kindly. The part of the lode carrying in the 110, west of shaft on south part, is 4½ ft. wide, yielding 1 ton of copper ore per fathom, and also worth 3ℓ, per fathom for tin. We have recently out through the lode, and found it to be about 7ℓt. wide. In the 110, driving cast of shaft, the lode is 4 ft. wide, yielding 1 ton of copper ore per fathom and some very good work for tin, and looking promising. The lode in the 120, driving east of shaft, is 3ℓt. wide, and yielding 2 tons of ore per fathom; but the ground is much harder than usual. The lode in the 120, west of shaft, is 3ℓt. wide, and yielding some saving work for copper ore; but at present is rather disordered by cross branches of spar. In the winze in bottom of 60, on south-east part, the lode is 8ℓt. wide, and yielding 2½ tons of ore per fathom. The lode in rise in the back of 110, at Gundry's shaft, is 4ℓt. wide, and yielding 1 ton of ore per fathom. The lode in the 90, driving east from the old engine-shaft, is 1½ℓt. wide, and yielding a little copper ore; but not sufficient to value. In the winze in bottom of 100, west of the old engine-shaft, the lode is 5ℓt. wide, yielding good stones of copper ore, and is worth 8ℓ. per fathom for tin. We have set 11 pitches to 27 men, at an average tribute of 8x, 9ℓd. in 1ℓ. Our sampling for this month is computed 611 tons of copper ore.

MID-DEVON.—James Neill, June 16: A Shaft: The pumping machinery was ptopped three days in early part of week to fix in two cranks to axle of water-wheel in connection with doubling the rods to strengthen the machinery; we have all timber on mine for this work, and the necessary portion for pulley-stands and bobs, &c., is nearly prepared, and it will be fixed as quickly as possible. Water is now 7½ ft. below the 70.—O Shaft: The 65 stope, worked by four men, has haven seed to shaft when the shaft as very hard,

So fm. level.

NEW CARADON,—N. Richards, June 20: No. 4 lode in the adit level, driving east of shaft, maintains its size and strong masterly appearance, and as some of the other lodes laid open in the adit cross-cut show traces of copper ore so near the surface, and the composition of the lodes and surrounding strate in which the lodes are deposited are similar in character to those promising lodes by which this sett is almost surrounded, I consider this piece of ground is deserving a surface of the control of the consideration of the consideration

which this sett is almost surrounded, I consider this piece of ground is deserving of a spirited trial.

NEW KITTY.—William Vivian, June 21: We are making good progress in sinking Thomas's shaft. We have not broken any of the lode in the past week, as we are sinking by the side of the lode. In the cross-cut driving north of engine-shaft, at the 50, the end is letting out large streams of water. I am daily expecting te cut the lode.

NEW TERRAS.—We are making fair progress in the erection of the stamps, and also in the laying out for dressing-floors. There is a great deal of water flowing from the 18 cross-cut north, from which we think that we are near the lod-. All other work progressing favourably.

NEW TRUMPET CONSOLS.—The following telegram has been received:—O e sing out satisfactorily, breaking good quantity of copper, and bottom looking well.

AEW WEST CARADON.—N. Richards. June 20: We have suspended the

O e ing out satisfactorily, breaking good quantity of copper, and bottom looking well.

\*\*NEW WEST CARADON.—N. Richards, June 20: We have suspended the driving on Clyma's lode at the 33 until the cross-out is advanced far enough to all-with mean to work both points without hindering each other. The ground in this cross-out appears to be highly mineralised, and we are often meeting with veins and small branches, but we shall not stay to open out on them, but push on the cross-out to prove the ground before us. Nos. 3 and 4 lodes are producing stones of copper ore, but not enough to value. A rise in the back of the 30, on the main lode, and a stope in the bottom of same will yield together 2 tons of copper ore per fathom.

\*\*NORTH GREEN HURTH.—Jas. Polglase, June 14: The vein in the deep adit level, bearing about 35 east of south, is much improved in appearance, produc-

level, bearing about 35° east of south, is much improved in appearance, producing spots of lead. There is every prospect of further improvement. The air in the south level, from deep level, is very light, and the men will put a rise through to the surface for ventilation. A cross-cut level is commenced in the Hamilal property.

Ing spots of lead. There is every prospect of further Improvement. The air in the south level, from deep level, is very light, and the men will put a rise through to the surface for ventilation. A cross-cut level is commenced in the Hospital property.

NORTH HERODSFOOT.—T. Trelease, June 21: We have a little increase of water in the 117 east but no other chatge to notice; the stope in the back is still yielding 10 ewts. of ore per fathom. I have put two men to rise against the winze in the 23, where the lode is worth 11 cwts. per fathom for the length if the rise 12 ft. I have also set the stope in the winze to two men; the lode will yield 12 cwts. per fathom. We have still good ground in the 30 end and have been breaking some good stones of ore in the past week, and the end is now looking promising for an early improvement.

NORTH PENSTRUTHAL.—Stephen Davey, Wm. Polkinghorne, June 21: Setting Report: Highburrow shaft is sunk to the 150; the men are now engagei taking down pent-house, dividing, casing, and putting down skip-road, per bargain, 404. This will be completed as expeditiously as possible. The 132 to drive west, at 44 ft. per fathom; lie at present disordered. The 52 cross-cut to drive north, at 144, per fathom; the at the state of the state of the control o

the men taken to drive (with boring machine) west from the winze, undermath in ore passed phrough in the said, level. We hope, sono to be able to base the ore passed phrough in the said, level. We hope, sono to be able to base the ore passed phrough in the said, level. We hope, sono to be able to base the new the passed passed in the said of the said o

the company of the property states grown as the company of the property states and the company of the property states and the property states are the

And in the north side there are occasional stones of lead; price per fathom for driving 44. 52. Progress is also being made in driving the 95 cast, but have not yet cut through the lode part of it, only being carried in the end, which does give the companion of the part of it, only being carried in the end, which does go and the part of it, only being carried in the end, which does go and the part of it, only being carried in the end which does go and the part of it, only being carried in the end which does go and the part of it, only being carried in the end which does go and the part of it, only being carried in the end than there was, and lote is smaller but very well defined, containing blende and very kindly spar, and it ought to carry a good branch of lead soon; price for driving 34. 78. 54.

Is a little harder, but still require timber in the back and south side; price for driving 34. 17. 56. per fathom. The lode in feet and cast is looking very kindly, containing good stones of lead; price for driving 34. 17. 56. per fathom. The lode in feet getting larger and the part of the control of the part o

about 6 in. daily. No. 12 pit is worth 2½ tons, No. 13 pit 2½ tons, No. 14 pit 1 ton and improving, and No. 15 pit 4 to 5 tons lead ore per fathorm. Other points and pitches as for some time past. We have to-day sampled as follows:—Bog, 100 tons lead ore and 75 tons blend; Pennerley, 100 tons; and Tankerville, 30 tons.

TRESAVEAN.—J. Prisk, W. Edwards, June 18: We are pleased to report the mine is drained to the 100, and no time will be lost in sending the drop lift below this. We have explored some of the levels and find them in good condition and some promising lodes standing intact. We are pushing on the ladderway at William's with a view of getting to the 100 in this part of the mine as soon as possible, and shall forthwith put some men to look up the copper and tim pitches said to be here unwrought. The tutwork bargains and tribute pitches are without change since our last report, and the work underground and at surface is being pushed on with all dispatch. The 90 in. engine and all other machinery continues to work well.

WEST CARADON.—N. Richards, June 20: A rise and stope in the back of the 33, on Vivian's north lode, will yield 2½ tons of copper ore per fathom. Gilpin's lode, in the back of this level, will yield 1 ton of copper ore per fathom. Gilpin's lode, in the back of this level, will yield 1 ton of copper ore per fathom. Gilpin's lode, in this level, on which we are driving west, is much enhanced the value of the mine. This lode in the adit level, driving west of Hallett's cross-course, is slightly improved, being now 2 ft. wide, and yielding over 1 ton of copper ore per fathom. The winze is also looking better, producing some good stones of ore. A rise and two stopes in the back of this level will yield in the aggregate 4 tons of copper ore per fathom. We have placed a pare of men to drive a midway level between the 17 and adit level, driving west of Hallett's cross-course, is slightly improved, being now 2 ft. wide, and producing 25 ceuts of lead ore per fathoms. In the 37, east of new class h

rain resumed the repairs to the walls and embankment of top reservoir. We we also relaid the whole column of 5-in, pipes from the plunger-pump on the west floor up to the top service reservoir. We continue to keep the full pare men emptying our silme-juts, and the water is leaving the pits and re-entering the brook in a very satisfactory condition. The machinery is in good working der with M Williams.

### TO THE METAL TRADE.

FOR COPPER, TIN, LEAD, &c., apply to-MESSES. PELLY, BOYLE, AND CO., SWORN METAL BROKERS, ALLHALLOWS CHAMBERS, LOMBARD STREET, LONDON.

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(LATE EVANS AND ASKIN), AND COBALT REFINERS, BIRMINGHAM

## The Mining Market: Brices of Metals, Ores, &c.

METAL MARKET-LONDON, JUNE 22, 1883.

ALCIA	L MARKET-LORDON, STAR 22, 1005.
IRON. £ s. d. £ s. d.	TIN. £ s. d. £ s. d.
Pig, 6MB, f.o.b., Clyde 2 7 0	English, ingot, f.o.b 97 0 0
. Scotch, all No. 1 2 7 9- 2 8 0	,, bars ,, 98 0 0
Bara Welsh, f.o.b. Wales 5 76	refined 99 0 J
" in London . 5 17 6	Australian 93 10 0
, Stafford., , 7 0 0	Banca nom.
in Tyne or Tees 5 15 0	Straits 93 10 0
. Swedish, London 8 15 0- 9 5 0	COPPER.
Rails, Welsh, at works 5 76	Tough cake and ingot. 67 10 0
Bheets, Staff., in London 8 0 J- 8 10 0	Best selected 69 10 0
Plates, ship, in London . 8 5 0- 8 10 0	Sheets and sheathing. 73 0 0- 75 0 0
Hoops, Staff., 7 10 0	Flat Bottoms 76 0 0- 78 0 0
Nail rods, Staff., in Lon. 6 15 0- 7 0 0	Wallaroo 68 10 0
STEEL.	Burra, or P.C.C 68 0 0- 68 10 0
English spring 12 0 0-18 0 0	Other brands nom. 65 10 0- 66 10 0
cast30 0 0-45 0 0	Chili bars, g.o.b 64 0 0
Bwedish, keg15 0 0	QUICKSILVER.
fag. ham15 10 0	Flasks, 75 lbs., war 5 7 6
Rails at works 4 15 0- 5 0 0	PROSPHOR BRONZE,
" Light, at works 6 10 0	Alloys I., II., III., and IV £122 0 0
LEAD.	VI. and VII 138 0 0
English, pig, common13 0 0	, XI., Spl. bearing metal 114 0 0
,, L.B13 2 6	BRASS.
W.B13 7 6	Wire 7¼d
sheet and bar13 12 6 13 15 0	Tubes 914
15 15 0	Sheets 7¼ -7¼d.
red	Yel, met, sheath, & sheets 6 -6%
patent shot15 15 0	TIN-PLATES.* per box.
B, anish	Charcoal, 1st quality 1 1 0- 1 2 0
Nickel.	2nd quality 0 19-6- 1 0 0
Metal per owt	Coke, 1st quality 0 16 9- 0 17 0
Ore 10 percent, per ton	,, 2nd quality 0 16 0
SPELTER.	Black per ton 15 10 0
Silesian, ordinary brands14 17 6	Canada, Staff. or Gla. 1 12 0 0
special brands, 15 2 6-15 5 0	at Liverpool 12 0 0-
English Swanses16 0 0	Black Taggers, 450 of l an a a
heet zinc	14 × 10
	x less for ordinary; 10s, perton less for
At the works, 18, to 18, ou. per oo.	a less for ordinary , 10s, por con less for

Canada; IX 6s. per box more than IO quoted above, and add 6s. for each X. Terne-plates 2s. per box below tin-plates of similar brands.

REMARKS.—Business in metals continues to be more or less restricted, and it is evident that as yet no thorough recovery has been effected in the demand for consumption and shipment; but, at the same time, that little extra cheerfulness in the tone, caused chiefly from speculation, and to which we have made reference upon a previous occasion, still continues to diffuse itself throughout certain branches of the trade, and helps to lessen the decression, and to give a more favourable appearance to some of the markets. However, there does not appear to be very much confidence in the stability of prices, as after each successive rise there is a strong tendency on the part of operators to secure whatever profits are practicable rather than run any further risk of the market. It is not so much the general demand that regulates buying for speculation: that in a great measure can be foreseen, as the regular requirements of the trade may be pretty accurately ascertained by making reference to old returns, and adding thereto a proportionate increase for the growing wants of the trade; but it is the question of supply to which operators look with more anxiety, for upon this there is little or no certainty as to what quantities may be coming forward. It is said of some metals that over-production is at the root, and the principle cause of the depression of those markets, and this is given as the chief reason of the current low prices, and that the only relief that can be afforded to the markets is to curtail the production, which, however, producers do not appear inclined to do.

At first it may seem difficult to understand how it is that supplies are kept up -Business in metals continues to be more or less re-REMARKS .-

is to currial the production, which, however, producers do not appear inclined to do.

At first it may seem difficult to understand how it is that supplies are kept up at present prices, which are generally complained of as unproductible; it is urged that surely it is better to turn out only three-quarters of the present output at a profit than to continue producing at the present rate at a positive loss. But the question is, Do present prices leave a positive loss I tis true they are said to be unremunerative, but by that it may be gathered that they do not leave an adequate return to manufacturers and producers, and hence supplies are maintained, so that sellers may, if possible, effect profits on selling large quantities, which at ruling rates they could not do by merely making limited sales, for the expenses incurred in producing in bulk are very much lighter proportionately than in making in only small quantities. At the same time, it may be argued that the higher prices which, in all probability, would be realised if production was curtailed, would fully or, perhaps, more than compensate for any extra expense in producing; but then comes a difficulty almost impossible to overcome, and that is to get all the manufacturers and producers to agree not to increase their make beyond certain limits. Several of them often form a combination, not jonly with the object of minimising the production, but also to sustain prices; but experience has shown that this, while giving temperary success, has, nevertheless, in the end failed, for the combination, although frequently supported by a large majority of suppliers, does not include the whole of them, and, in consequence, most orders in the market flow to those sellers who prefer to be independent, and will not be bound by various combination restrictions and agreements, as they are able to sell at prices slightly under those quoted by other sellers, and hence they are often busy, whilst the others are extremely slack.

COPPER.—During the greater part of the past week

and agreements, as they are often busy, whilst the others are extremely slack.

COPPER.—During the greater part of the past week there has been a hardening tendency in the price of Chili bars, quotations generally having advanced about 2s. 6d. per ton per day. The charters last Monday were announced as 2500 tons for the first half of the present month, and notwithstanding that this quantity was heavy, it produced no detrimental effect upon the market. On the contrary, prices, as we have already stated, stiffened to some extent, and have since continued to grow stronger, on account of less hesitation to buy, and a combined firmess on the part of holders unless full prices were paid. Somewhat heavy charters were coubtless generally anticipated, as the last few that have been advised have been rather light, and to this may be attributed the slight influence that the heavy charters have produced upon the market on this occasion. The bi-monthly returns of Chili produce show an increase of 286 tons in the total visible stock in first and second hands in Liverpool and Swansea, and amounts to 28,33 tons, against 26,547 tons on the 31st uit, the imports during the first fortnight of the month having been 1111 tons, and the deliveries 25 tons, willse the imports cannot be considered otherwise than unastifactory, and what with them also in obtaining slightly higher rates. With regard to manufactured there is not much change to record, prices are nominally unaltered, but business for not much change to record, prices are nominally unaltered, but business for highest its reported to have been transacted at slightly reduced rates, chiefly, however, in yellow metal to resport to the Indian markets.

IRON.—Certain branches of this trade are decidedly showing symptoms of improvement, some descriptions of manufactured being in much bester request, and prices are a shade firmer, while

symptoms of improvement, some descriptions of manufactured in much better request, and prices are a shade firmer, while s who for so long past have hesitated to effect purchases are here and there beginning to buy more freely, and appear more willing to pay sellers' rates. At the same time there is no general improvement, and orders for most descriptions are still slack for both the home and shipping trade. Some of the advices from the manufacturing centres are favourable and eucouraging, but the report which comes from Glasgow with regard to pig-fron

In prices, the returns show unfavourable shipments in comparison with those for the same time of last year, and a further increase in the public stock. Until the last week or so the public stock in Glasgow had continually declined for a very long time without any check whatever, sometimes by thousands of tons per week, at others by hundreds, at all events the reduction was so largely affected as to be one of the principal causes of the firmness in the market. Now, however, there is a complete change, and the public stock during the past fortuight has been augmented by soveral thousand tons, and unless a great afteration be made during the next few days the statistics at the end of the month will be very adverse, and would consequently tend to check the speculative demand even to a greater extent than it is at the present time. In makers' iron the demand continues slow, and quotations generally are the eame as they were a week ago, but there are a few brands which are somewhat cheaper for both Nos 1 and 3.

The following are the latest returns from the principal incomparison. cannot be viewed as satisfactory, for while very little variation has taken place in prices, the returns show unfavourable shipments in comparison with those for the same time of last year, and a further increase in the public stock. Until

a week ago, but there are a few brands which are somewhat cheaper for both Nos. 1 and 3.

The following are the latest returns from the principal iron centres, and from which may be gathered the state of the trade just now. The Glasgow warrant market opened on Monday steadily, and business was done from 46s, 10d. to 46s, 11/4d., while on Tuesday there were numerous transactions betwint 46s, 11d. and 47s, 1d., closing at 47s. On Wednesday the market was very inactive, and the quoted price was 46s, 11d., while yesterday the market remained quiet, and a small number of transactious took place between 46s, 11/4d, and 47s., and the closing figure to-day is 47s. The shipments last week were 13,255 tons, against 15,308 tons for the came week of last year, or a decrease of 2053 tons, and which makes the total shipments for the whole of this year 237,126 tons, against 289,555 tons for the corresponding period of last year and 252,212 tons for the similar time of 1881. There is one less furnace in blast, the total now being 114 against 115 last week, while the public stock has been increased by a further 2686 tons, and now amounts to 535,601 tons, against 531,115 last week. The imports of Middlesborough fron into Grangemouth last week were 2500 tons, against 225) tons for the same week of last year, being an increase of 3030 tons, and which makes a total increase for the whole of this year as compared with last of 33,960 tons.

ports of Middlesborough iron into Grangemonth last week were 5250 tons, against 225) tons for the same week of last year, being an increase of 330 tons, and which makes a total increase for the whole of this year as compared with last of 33,960 tons.

The Cleveland market is reported more or less disorganised, and, owing to makers having resolved to m-intain their price at 40s. for No. 3, but little business has been transacted. Second-hand lots are firmer, and are quoted from 33s. 3d. to 39s. 6d. Makers have determined, if necessary, to curtail the production at the end of the month, but it is thought that they may experience considerable difficulty in maintaining their prices—what with the general quietude in the iron trade and the stronger tendency of Scotch pigs. The shipments that have been made are not satisfactory, those for the whole of the month being rather over 30,000 tons, the quantity last week being 21,661 tons. Manufactured is in duil demand, and prices are steady, ship piates being quoted at 6t., angles at 5t. 12s. di., bars at 5t. 15s., and puddied bars at 72s. 6d. It is satisfactory to find in the Middlesborough district the public stock of pigs has been further reduced by 1530 tons. At 8 heffield the trade is said to be ateadily improving, and there is said to be a better demand for all descriptions of merchant iron, and some kinds have slightly advanced in value. There is a steady business doing in ship and boiler plates, and most of the mills are working full time. The recent improvement in the Wolverhampton market continues, and buyers show greater readiness to pay sellers' rates.

The consumption of sheets is said to be equal to the output, and some makes will not sell under 8t. 10s. for doubles, but the general price is from 8t. 5s. to 8t. 10s. Bars are firm at 65s. There is some cases of 1s. 3d., Derbyshire sorts being quoted at 47s. 6d. to 48s. 9d., and Lincolashire at 48s. 9d., while pigs are stiffening, and show a rise in some cases of 1s. 3d., Derbyshire sorts being quoted at 47s. 6

recovery in the price of pigs, but ordinary forge and refined fron are slightly lower, and no change has been made in prices for Scotch or Cleveland hematites.

TIN.—This week there has been a dragging market for tin, and the tendency has continued against holders, although on Tuesday last there were some symptoms of recovery; but this improvement was not long maintained, and since, prices have been dwindling downwards. By the course of the market this week it would appear that holders had less confidence in the stability of the market; it gives the idea that they are awakening to the fact that tin is still out of all proportion high compared with other metals, and more especially in comparison with its value during the past few years; and it may well be asked, what is there to sustain the price of tin whilst other metals are so proportionately low. It is true deliveries are good, but if the supplies are kept above them, and upon which no certainty can be formed, then it is difficult to see what permanent support can be given to the market. That there will be various attempts made to prevent the market from falling away beyond certain limits cannot well be doubted, but the crumbling prices of the past week decidedly indicate that, for the time being, there is less confidence in the permanency of current rates. Of course, operators who buy merely for cash prompts may stand a bather chance of turning their contracts to good account providing, of course, they see sharp in their movements, as after the fall there may be some rebound; and whether this will be of more than a temporary nature depends very much, if not solely, upon forthcoming supplies.

SPELTER.—The demand has subsided, and there are plenty of

ming supplies.

SPELTER.—The demand has subsided, and there are plenty of of ordinaries at 15l. to 15l. 2s. 6d., and specials at 15l. 2s. to 151.5s. per ton.

LEAD is firmer, and the price for Spanish has been quoted at 12l. 15s. to 12l. 17s. 6d., and the quotation is still strong at 12l. 15s.

STEEL .- A moderate business is still doing at unaltered prices. TIN-PLATES.—A fair number of transactions are still being car-ied through, and quotations are steady.

QUICKSILVER.—The importers of Spanish have now reduced their

to 51. 7s. 6d. and effected fair sales; the demand is, however

The MINING SHARE MARKET appears to be in a general state of stagnation; there is scarcely any business doing either in specu-lative or dividend mines, quotations in consequence are not to be relied upon, and to effect sales is matter for negociation. Judging from the past, when these periods of depression have invariably been succeeded by increasing excitement, we may hope soon to have a change for the better, and one or two good discoveries in mines may accelerate the improvement. Those dealt in have been Bratsberg at an advance, Wheal Agar, Prince of Wales, Wheal Crebor, West Crebor, New Caradon, South Caradon, East Blue Hills, South Penstruthal, and a few others.

Thy is figurer but there has been no change in the standards for

Penstruthal, and a few others.

Tin is firmer, but there has been no change in the standards for ore in Cornwall since the fall of 2l. on the 9th, very little doing in shares. Blue Hills, \$\frac{3}{6}\$ to \$\frac{4}{6}\$; Cook's Kitchen, 30 to 31; Carn Brea, 7 to 7\$\frac{1}{2}\$; Dolcoath, 55 to 57\$\frac{1}{2}\$. East Pool, 43 to 44; at the meeting a dividend of 1l. per share (6490l.) was declared. The accounts showed a profit on the quarter's working of 6914l., and a credit balance of 8265l. The tin sold, 351 tons, realised 16,757l.; copper, 196l.; sundries, 1203l. The costs for three months amounted to 11,422l., or nearly 4000l. per month. The engine-shaft is now down 13 fms. below the 200, and a winze below this level is worth 55l. per fathom. East Blue Hills, 6s. 6d. to 8s. 6d.; at the meeting, particulars of below the 200, and a winze below this level is worth 55*l*. per fathom. East Blue Hills, 6s. 6d. to 8s. 6d.; at the meeting, particulars of which will be found in another column, the accounts showed a balance of 1167*l*. 13s. 5d. over every liability. The tin sold since the previous meeting realised 1464*l*. 17s. 8d., making over 2000*l*. worth raised above the adit level, and as a good course of ore had been gone over in the bottom of the adit, and the adjoining mines on the same lode had made very large returns below their adits, and it was left to the committee to erect a small engine and sink deeper. To do this would take about 500*l*. out of the balance in hand, and as in the meantime it is expected the mine will make profits from above the adit, a great mine may be opened out below.

the adit, a great mine may be opened out below.

North Blue Hills, 1 to 1; at the meeting here the accounts showed a credit balance over liabilities of 783l. 2s. 10d. An engine goes to a credit balance over liabilities of 783l. 2s. 10d. An engine goes to work this week, and in a few days the bottom of a shaft, in which there is said to be a fine copper lode, will be seen. Killiferth, 2½ to 2½; New Kitty, 2 to 2½; South Condurrow, 8 to 8½; South Crofty, 7 to 7½; South Frances, 9 to 10; Tineroft, 7½ to 8; West Basset, 5½ to 6; West Frances, 2 to 3; West Peevor, 4 to 4½; Wheal Agar, 16 to 16½; Wheal Basset, 5½ to 6; West Grenville, 6 to 6½; Wheal Kitty (8t. Agnes), 1½ to 1½; Wheal Peevor, 3½ to 4½; Wheal Uny, 3 to 3½. At East Uny a call of 5s. per share was made. The accounts showed a loss of 1369l. At the Wheal Jane meeting a call of 10s. per share (6000l.) was made. The West Godolphin accounts for the meeting on Thesday show a credit balance of 109l. The costs for three on Tuesday show a credit balance of 109l. The costs for three months have been 1138l.; tin sold, 10 tons, 605l.; copper, 77l. Call made last meeting 714l. Mounts Bay, 6s. to 8s.; Tresavean, ½ to 8; months have been 1138*t*.; tin sold, 10 tons, 605*t*.; copper, 77*t*. Call made last meeting 714*t*. Mounts Bay, 6s. to 8s.; Tresavean,  $\frac{1}{2}$  to  $\frac{1}{6}$ : Goodevere, 1 to  $1\frac{1}{2}$ . West Polbreen, 1 to  $1\frac{1}{3}$ ; at the meeting a call of 2s. will be made. Trevaunance,  $2\frac{1}{2}$  to 3. West Kitty, 13 to  $13\frac{1}{2}$ ; there is an improvement in an important level, the 72 going west.

the points in operation yield in the aggregate 41 tons of ore per fm. The sale of ore on Thursday (398 tons) realised 15281. 10s. 6d. South Caradon \( \frac{1}{2} \) to \( \frac{2}{3} \); according to the setting report the 210 end from Rule's shaft is worth \( \frac{1}{2} \) ton of ore per fathom. The points valued are worth in the aggregate 12 tons per fathom, in addition to which 82 men are working in 40 pitches, at prices varying from 9s. 6d. to 13s. 4d. in 11. As this, we believe, is the first setting report of the new company, it must be very satisfactory to the shareholders. Langford, \( \frac{2}{3} \) to \( \frac{1}{3} \); the lode in the shaft is 4 ft. wide, and looking very promising for a course of ore even before it reaches the junction with the Silver lode. Devon Friendship, 4s. 6d. to 5s. 6d.; the agents report that everything is going on satisfactorily, and a full report will be given next week. Sortridge, 2s. 6d. to 3s. 6d.; the ground in the cross-cut at the 50 is better. Carn Camborne, \( \frac{1}{3} \); to 1\( \frac{3}{3} \); Collacombe Consols, 4s. 6d. to 6s. 6d.; New Caradon, 6s. to 8s.

6s. to 8s.

LEAD mines continue flat, with scarcely any business doing. Vans are quoted 5½ to 6; Great Laxey, 16 to 17; Roman Gravels, 7½ to 7¾. Tankerville, 3s. to 5s.; they have sampled this week 230 tons of lead ore. South Darren, ¾ to ½; the 120 east is worth 1½ ton of silver-lead ore per fathom, and the same level west 1 ton. They sample to-day 100 tons of copper ore. Coed-y-Fedw, 1½ to 1½; East Rose, ½ to ¾; Great Holway, 5 to 5½; Leadhills, 2½ to 2½; Old Shepherds, 9-16th to 11-16th; Pen-yr-Orsedd, 21s. to 23s.; Sinclair, 24s. to 26s.; West Lisburne, ½ to ¾; Gwern-y-Mynydd, ½ to ½.

The Weardale Lead Company (Limited) have obtained from the Ecclesiastical Commissioners a lease of the large tract of mines worked for so many years with great success by the family of Mr.

The Weardale Lead Company (Limited) have obtained from the Ecclesiastical Commissioners a lease of the large tract of mines worked for so many years with great success by the family of Mr. Beaumont, M.P. The capital is to be 200,000l., in 50,000 shares of 4l. each, 1l. to be called up. The profit on the mines for many years was 50,000l. to 60,000l. a year, and by discreet and careful management it is considered by practical experts that large returns and profits will be made at once. It is described by Mr. Blenkinson as one of the best, if not the largest mining property in the kingdom.

Foreign Mines.—Akankoo, ½ to ¾; Alamillos, ½ to ½; Almada and Tirito, ¾ to ¾; Anglo-African Diamond, 2 to 3; Australian, 3 to 3½; Birdseye, 1½ to 1¾; Bratsberg, 2 to 2½; continued improvements are reported. The reserves are estimated at over 200,000l., and they have been dressing about 1000l. worth of 20 per cent. ore a week. Two cargoes are expected this month. Callao Bis, ¾ to ¾; Canadian Copper and Sulphur, ¾ to ¾; Cape Copper, 48 to 53, x.d. and b.; Mr. Hanbury Barclay, for many years a shareholder, is a candidate for the vacancy in the direction. The report prepared for presentation at the meeting on Wednesday states that the ore and metal returned in 1882 was 352,851l. The average produce of the ore was 28½, and the average price obtained was 13s. 2d. per unit. The total cost and expenses were 207,386l. The net profit for the year was 145,465l., making with previous year's balance 187,610l. Out of this 80,000l. has been paid in dividends, 40,000l. in bonuses, 3004l. 9s. 11d. to be carried forward, and out of which a dividend and a bonus, together 2l. per share, havejust been declared. Cape of Good Hope Diamond, ½ to 1; Central Jagersfontein, ½ to 1; Chile Gold, ½ to ¾; Chon-2l. per share, have just been declared. Cape of Good Hope Diamond, ½ to 1; Central Jagersfontein, ½ to 1; Chile Gold, ½ to ½; Chontales, 3-16ths to 5-17ths; Colombian Gold, ½ to ½; Colorado, 3 to

iales, 3-16ths to 5-17ths; Colombian Gold, \(\frac{1}{4}\) to \(\frac{3}{5}\); Colorado, 3 to \(3\frac{1}{2}\); Colorado, 3\(\frac{1}{4}\) to \(\frac{3}{2}\); Colorado, 3\(\frac{1}{4}\) to \(\frac{3}{2}\); Colorado, 3\(\frac{1}{4}\) to \(\frac{3}{2}\); English and Australian Copper, 1\(\frac{1}{4}\) to \(\frac{3}{2}\); Frontino and Bolivia, 1\(\frac{3}{4}\) to 2; General Mining, 5\(\frac{1}{4}\) to 6; Indian Consolidated, \(\frac{1}{4}\) to 1\(\frac{1}{4}\); Indian Glenrock, \(\frac{1}{4}\) to \(\frac{1}{4}\); Indian Pheenix, \(\frac{1}{4}\) to \(\frac{1}{4}\); Indian Trevelyan, 1-16th to 3-16ths; Kapanga, \(\frac{1}{4}\) to \(\frac{1}{2}\); Kimberley North Block, 3 to 4; Lake Superior Native Copper, 1 to 1\(\frac{1}{4}\); La Plata, 1 to 1\(\frac{1}{4}\); a telegram has been received to-day to the effect that at the annual meeting in New York, yesterday, the American directors retired in favour of the board of the English Limited company. The overdraft to the bankers has been paid, and the works at Leadville are now under the entire management of Messys. Rickard Brothers, of London and Denver. The earnings of the company are good. The importance of this to the shareholders can scarcely be over-estimated. It is acknowledged that the property is capable of yielding large profits, and it is not doubted that henceforth they will be regularly available for the declaration of dividends. Linares, 3\(\frac{1}{2}\) to 4; Mason and Barry, to bearer, 1\(\frac{1}{4}\) to 15; Michipicoten, \(\frac{1}{2}\) to \(\frac{1}{2}\). Now One and A to \(\frac{1}{2}\) to \(\frac{1}{2}\).

claration of dividends. Linares,  $3\frac{1}{2}$  to 4; Mason and Barry, to bearer,  $14\frac{1}{2}$  to 15; Michipicoten,  $\frac{1}{2}$  to  $\frac{6}{2}$ .

New Emma,  $2\frac{1}{2}$  to  $2\frac{3}{2}$ ; New Quebrada,  $4\frac{1}{2}$  to 5; ditto Debentures, 98 to 103; Organos,  $1\frac{1}{2}$  to  $1\frac{3}{4}$ ; Panulcillo,  $6\frac{1}{2}$  to 7; Port Phillip, 1-16th to 3-16ths; Potosi,  $\frac{1}{2}$  to  $\frac{3}{4}$ . Rhodes Reef,  $\frac{1}{4}$  to  $\frac{3}{4}$ ; the meeting is reported in another column. Richmond, 7 to  $7\frac{1}{4}$ ; Rio Tinto Bonds, 100 to 102; ditto, shares, 21 to 22; Ruby and Dunderberg,  $1\frac{1}{4}$  to  $1\frac{3}{4}$ ; Scottish Australian,  $2\frac{1}{2}$  to  $2\frac{3}{4}$ . South Australian Copper Mines Corporation,  $\frac{3}{4}$  to 1; the lode at the 70 at the Blinman Mine has been cut of the value of 3 tons of 22 per cent. ore per cubic fathom. The iron pipes to convey water from the Saltia well to the dressing-floors were on their way to the mine. So soon as the pipes are laid down dressing operations on a large scale will commence, and the output of dressed ore is then expected will be from 250 to 300 tons per month, which will yield a large margin for dividend. At Mount Rose Mine the stopes were yielding 2 tons of 40 per cent. ore per fathom, one stope alone in the 13 fm. level having yielded during the month 10 tons of 40 per cent. ore; worth  $210^{3}$ .

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South-East Wynaad, 5-16 to 7-16! St. John del Rey, 100 to 120; south-East wyhaad, 5-16 to 7-16; st. John del Rey, 100 to 120; the report prepared for presentation at the meeting on Wednesday next states that the produce of gold for the twelve months ended April 12 was 26,956 oss. troy, against 34,443§ ozs. troy in previous year. The net working profit for the year was 25151. 12s. 9d. The company has in London 27,2591, to meet 26,0001, and in Brazil 95011 to meet 79771. The reserve fund investments amount to 39,4601., which yielded the company 20601. interest during the year. United Mexican, 5½ to 6; Victoria, ¾ to 1; Western Andes, 5 to 6.

The Market for Mine Shares on the Stock Exchange has shown a marked improvement, and as in this it has only followed the general market, it is confidently hoped it may be permanent. There is still comparatively little real business, but when one has anything to sell there is less difficulty in finding a buyer at full quotations. In many shares a fair advance has been established. United Mexicans have been in active demand, and close 5½ to 6, which is 5s, below the best price of the week. price of the week.

Our usual telegram from Cornwall this evening says:—The Cornish

Our usual telegram from Cornwall this evening says:—The Cornish mine share market has remained very quiet and inactive, the leading features being some enquiry for Dolcoaths and Cook's Kitchen, and Tincroft having been more in demand. At Truro Ticketing yesterday 2566 tons of copper ores realised 7677L, the standard advancing 1l. Next sale at Redruth, July 5, 1441 tons. At East Pool meeting a profit of 6914L was shown, and 1L per share dividend declared. The report was good. At West Peevor yesterday a loss of 1521L was shown, and 10s. per share called up. The manager stated that the tin sold was 4 tons less than the quantity sold in the previous four months. If they could keep the stamps fully supplied with stuff he believed they would return tin enough to pay costs, or nearly so. Dolcoath, 57 to 574; East Pool, 43 to 43; Killifreth, 22 to 23; West Peevor, 4 to 5; Tincroft, 7½ to 8; Agar, 15¾ to 16¼; Wheal Baset,

Dolcoath, of to 5/2; East Pool, 43 to 43; Killifeth, 22 to 24; west Peevor, 4 to 5; Thirrorft, 7½ to 8; Agar, 15½ to 16½; Wheal Basset, 5½ to 5½; Wheal Peevor, 4 to 5.

The Gold Hill Mines are inviting subscriptions for 15,000l of Ten per cent. First Mortgage Debentures at par, redeemable in five years, at 20 per cent. premium, or at option of holder, exchangable for preference shares. The prospectus, which will be found in another column, states that the company has, during the past 12 months been engaged in re-opening the Randolph Mine, which has now been pumped dry to a depth of over 700 ft., and from advices received Goodevere, I to 14. West Polbreen, I to 14; at the meeting a call of 2s. will be made. Trevaunance, 2\frac{1}{2} to 3. West Kitty, 13 to 13\frac{1}{2}; there is an improvement in an important level, the 72 going west.

COPPER.—At the Cornish Ticketing on Thursday the standard for ore advanced 1l. The quantity of ore sold realised on the average 2l 19s. 6d. per ton; average produce, 5\frac{1}{2}; standard, 101l. 12s. The sales here realised 522l. 19s. 6d. Bedford United, 1\frac{1}{2} to 1\frac{1}{2}. Devon Great Consols, 3\frac{1}{2} to 4; the sale here (866 tons, realised 1492l. 12s. 6d. Gunnislake (Clitters), 1 to 1\frac{1}{2}; Marke Valley, \frac{3}{2} to 1; Mellanear, 3\frac{1}{2} to 3\frac{3}{2}; Mona Consols, 1 to 1\frac{1}{2}; New Cook's Kitchen, 5 to 5\frac{1}{2}. Prince of Wales, \frac{3}{6} to \frac{5}{6}, and in request. South Penstruthal, 1\frac{3}{4} to 2; West Caradon, \frac{1}{2} to \frac{3}{2}; to \frac{3}{4}; West Crebor, 6s. to 8s. Wheal Crebor, 2\frac{1}{2} to 2\frac{3}{2}; to 2\frac{3}{2}; to \frac{3}{4}; munical provided by the present issue of debentures the mines will become largely remunerative within the present year. The security is considered

ample, the properties comprised in the deed of trust being the freehold estates and mines, consisting of upwards of 1000 acres, with the plant and machinery in the debentures is only 2500, per annum, or, with a sinking fund of 4007, per annum, 65001, less than 1-15th of the undermentioned estimated revenue. It will be seen, therefore, that taking into consideration the security offered, the rate of interest, the boans on redemplion, the forward state of the mines, and the presents advantages seldom obtainable on a mining security. The Spanish Copper Company with a capital of 150,0001, in shares of 1010, each has been formed to purchase for 75,0001, (in deferred shares) the lease in perpetuity at 2001, per annum rental the Fronteriza and San Vicente, and the right to take La Carolina and La Infanta Mines at the same rental. The mines form part of the great copper and sulphur group so well known to British capitalists, being situated in the province of Hoelva, in Spain, in the district lying between the amount of 160 Tates and Transis on the oneside, and San Domingot Mason wender in opening up these mines, and in preparing for mining operations on a molerate scale; but the deposits of ore appearing to be fair larger than was supposed, the vendor has agreed to transfer the mines to this company, with a view to reason the company without any additional charge. The plant, machinery, and strock of ores now on the spot are included in the purchase, and will be transferred to the company without any additional charge. The properties have been surveyed by he late Mr. R. C. May and Mr. Sopreith, and a report on the probable results of their development, and the properties have been surveyed by he late Mr. R. C. May and Mr. Sopreith, and a report on the probable results of their development, and the property in the same properties have been surveyed by he late Mr. R. C. May and Mr. Sopreith, and a report on the probable results of their development, and the property of the property of the property of the property of the p

The Henriett Mining and Smelting Company have convened a meeting for Wednesday for the purpose of receiving from the directors a report as to the position of matters between the company and the vendor, and considering a proposal of the vendor to purchase from any shareholder desirous of disposing of the same his shares at 20s. (being par value) for each share, and to pass such resolutions in relation thereto as may be deemed advisable.

The Bagillt Zinc Smelting Company are inviting subscriptions for a second issue of 6000 shares of 1l. each, at 12½ per cent. premium. The authorised capital is 30,000l. The present issue of shares is made in order to erect other furnaces, and increase the production of the metal. The present yield is about 25 tons of spelter per week, and the extent of the works equal to over 100 tons per week. The directors at their meeting on June 11 declared an interim divided of 5 per cent.

Bedford United, 1½ to 1½; important discoveries are daily expected on both the north and Bridge lodes. The sale of copper ore on Thursday realised 522l. 19s. 6d., which, with the mundic, will leave a good profit on the month's working.

rofit on the month's working.

Botallack, 5 to 7; the advance is attributed to a considerable im-

Devon Great Consols, 4 to  $4\frac{1}{2}$ ; the lode in the railway shaft below the 190 fathom level west is 5 ft. wide, and worth 5 tons of mineral per fathom. The sale of copper ore this week realised about 1500t. Devon Great United, 1 to 1; the 120 fathom levels east and west are

beyon Great Citied, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; the 120 fathors reverse sast and west are looking more promising.

Kit Hill Great Consols, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; better progress has been made during the past week, the drivage having been in the tunnel at the rate of about \$9\$ fms. per month, and a large lode (6 ft. wide) is being driven on at the 75 fm. level, west of north shaft, with excellent

prospects of meeting with a valuable deposit of mineral. Owen Vean,  $1\frac{1}{2}$  to  $1\frac{\pi}{4}$ ; the agents report the south lode to be standing whole in the back of the 20 for 50 fms. west of Bridge shaft rich in tin, samples of which taken from various parts have been sent to Mr. Claudet for assay. Mr. Thomas Collingwood Kitto has recently made a second inspection of the mine, and his report will be found in another column. It is most favourable, and coming from an authority so well known for his caution it augurs well for the future of the property.

from an authority so well known for his caution it augurs well for the future of the property.

South Devon United, \$\frac{3}{8}\$ to \$\frac{4}{8}\$; the lode in the 110 fm. level east continues to be worth 14\frac{1}{2}\$, per fathom. The sale of ore this week has brought a better price, realising 657\frac{1}{2}\$.

South Wheal Frances; shares have advanced to 9\frac{1}{2}\$, 9\frac{3}{2}\$, owing, it is said, to the considerable increased sales of tin now being made, and to the expectation of still better sales, and which will leave a good monthly profit. good monthly profit.

Richmond, 7 to 7½; the week's run was \$15,000 from 310 tons of

ore, with one furnace. During the week the refinery produced dore bars to the value of \$20,000. The superintendent's report on the present condition and advance of the prospecting and dead work for the week ended May 28 states that the 300 north-west drift from south-east has been run 25 ft. through limestone stained with iron. Commencing at a point 1725 ft. in from south-east drift. The 1050 north-west drift from station has been extended 8 ft. Total 702 ft. In very hard limestone. The 1050 north-west drift from above has been run 26 ft. Total 70 ft. In limestone, following on fissure.

Ruhy and Dunderberg, price old shares 11 to 13; new 11 to 14.

and Dunderberg; price, old shares, 11 to 17; new, 11 to 11. The weekly report does not mention any change of moment at the mines. A drift had been commenced from the Dunderberg under mines. A drift had been commenced from the Dunderbeag under the old workings of the Home Ticket, the ground being favourable for ore. The shipments of ore from the Home Ticket during the week were larger than they have yet been, amounting to 148 tons. The usual telegram received on Tuesday advices continued good returns, both in the quantity and quality of the ore.

California Gold, 1 to 1 1-16; this week's mill run of 323 tons

California Gold, 1 to 1 1-16; this week's mill run of 323 tons yielded 680L, and smelting ore sales realised 67L.

Chile Gold, \(\frac{1}{2}\) to \(\frac{3}{2}\); advices have been received to the effect that the actual production of gold during May was 2815 ozs., 24 days, 40 stamps. The reports from the m.ne continue satisfactory.

Kohinoor and Donaldson, 1; the report is full, and denotes that work is being actively pressed forward. The Champion Mine appears to present highly favourable indications for the discovery of still larger quantities of good grade ore.

La Plata, \$\frac{3}\$ to 1; the debentures issued by this company have, writes a correspondent, been applied for twice over. They bear 10 per cent. interest, with coupons attached, payable half-yearly in London, and as they are redeemable by annual drawings at 10 per cent. premium, and the security offered being considered undoubted, continual applications are still being made for them; but the directors have closed the list some time since, so that these debentures should now command a premium of 10 to 20 per cent., for, according to latest advices, the company is earning a profit of 25,000l. to 30,000l. per annum. This will enable the directors to pay a dividend of 5 or 6 per cent. as soon as the new shares are issued, which on the present price of the shares would yield over 10 per cent. interest, and as the company has been transferred to English management, and the superintendence in Leadville being under Mr. Rueben Rickard, late manager of the Richmond Consolidated Mining Company, augurs well for the future success of the La Plata Company. It would be well if some other companies could be \$\sigma\$ speedily extricated from their difficulties, and brought under similar successful management.

their difficulties, and brought under similar successful management. Organos Gold, 1½ to 2; these shares, which opened at the beginning of the week with considerable firmness, have since relapsed upon the issue of a "bear" circular, which has had the effect of bringing for word sellers. The price appears, however, to be firm again, and but little buying would bring about a considerable rise. It is understood that advices of a satisfactory character have been received from the mine, the condition and prospects of which are regarded as a subject for congratulation to the shareholders.

Asia Minor, ½ to ½; it is stated that various operations, both at surface and underground, are progressing very satisfactorily, and increased shipments of ore are now being made.

In Lead Mine Shares the amount of business done continues very limited and price states of the same of the same

In Lead Mine Shares the amount of business done continues very limited, and prices remain without change. Vans are quoted 5½ to 6. Tankerville Great Consols, ½ to ½; the agents report that better progress is being made, and the water is being got out from the bottom levels. The sampling of lead ore this week is about 230 tons. Roman Gravels, 7½ to 8; the various points of operation are producing together about 60 tons of lead ore per fathom, showing that the mines continue to open out exceedingly well.

the mines continue to open out exceedingly well.

Leadhills, 2\frac{1}{3} to 2\frac{3}{4}; satisfactory progress is being made in both the underground and surface operations, as well as at the lead smelting-

The Newport Abercarn Black Vein Steam Coal Company directors have called the general meeting of the shareholders for July 11, at which they recommend that a dividend should be declared of 7 per cent. on the ordinary shares, making with the interim dividend paid in January last 10 per cent. for the year, and on the Preference shares a dividend of 10 per cent. per annum less interim dividend paid.

At the Stock and Share Auction and Advance Company's sale on At the Stock and Share Auction and Advance Company's sale on Thursday the prices, among others, obtained were—Investment Registry and Stock Exchange 5t., A, Six per Cent. Preference (2t. paid), 35s.; Horse Shoes, 5s. 6d.; Improved Industrial Buildings, 111 per cent.; New Zealand Agricultural, 15; Confederate Bonds, 1s; Indian Consolidated Gold Company, 4s. to 4s. 6d.; Nine Rec

The Souback and Catir Alan Mining Company on Monday received

bill of lading of eight cases of ore.
On the Edinburgh Stock Exchange there has, writes Messrs. Thomas Miller and Sons, been a general improvement in railway stocks since last report. There has been a demand at considerably enhanced prices for the different issues of the Prairie Cattle shares. Arizonas prices for the different issues of the Prairie Cattle shares. Arizonas have continued to fluctuate, the quotations ranging from 87s. 6d. to 80s. In oil shares the most active have been Barntisland and Midlothian. Since Wednesday last week Caledonian has gone from 101½ to 105½. Glasgow and South-Western from 113 to 119½. North British from 101½ to 103¾. Edinburgh and Glasgow from 38 to 38%. Grand Trunk from 18½ to 19: the Third Preference from 421½ to 44½. Arizona Copper have fallen from 87s. 6d. to 82s. Marbella from 93s. to 93s. Tharis from 10s. to 134s. Burntisland Oil from 20% to 20½. In banks, British Linen has risen from 302 to 303. Clydesdale from 20 to 24½. Commercial from 49s. to 10s.; and Scottish Union, A. have declined from 63s. 6d. to 62s. Prairie Cittle shares have risen from 9½ to 11½; the Second issue from 9½ to 11½; and the Third issue from 9½ to 11½; the Wassaw and Ahanta Gold Mines Syndicate was inaccurately printed Wassau and Bhanta in last week's Journal. We have to thank the secretary for the correction.

the correction.

We are requested to state that the directors of the North-Western of Uruguay Railway Company (late North-Western Railway of Monte Video) received to-day from their representative in Monte Video a telegram announcing that the extension of time for the completion of the line has been granted by the Uruguayan Government.

The London agents of the Oregon and California Railway Company have

Usurguayan Government.

The London agents of the Oregon and California Railway Company have received the following telegram from Mr. H. H. Tyndale, the assistant-secretary of the company:—May, gross earnings, \$73,237; expenses, including \$3000 for rails, \$63,610; net profit, \$15,670.

Notice is given that the coupons of the Northern Central Railway Company's Consolidated General Mortgage Bonds due July 1 next, together with the 60 bonds drawn for the Sinking Fund, will be paid on and after that date, either in Baltimore or in London

The Railway Share Trust Company give notice that the share certificates of the Palermo, Marasala, Trapani Railway (issue 40,000 shares) are now ready for delivery, in exchange for fully paid Scrip certificates, at their offices, Bank-buildings, E.C.

ings, E.C.
The Australian Joint Stock Bank notify that they will pay the coupons due
July 1 of the Brisbane (Queensland) Town Hall Debentures.
Messrs. C. de Murrieta and Co., announce that by order of the Government
of the Province of Santa Fé, all the outstanding bonds of the Seven per Cent.
State Loan, 1874, for 330,000t., will be paid off at par on and after July 2. They
also notify that the dividends due July 1 on the same loan, and also on the Entre
Rios Seven per Cent. State Loan, 1872, will be paid by them on and after July 2.

Pressure on our space at a late hour compels the postponement of many important matters—including report of Wheal Jane meeting on June 14, only supplied to us on June 22; report of Tamar Silver-Lead Company meeting, &c .- until next week.

ANDERTON TIN.—A good many transactions have taken place since the meeting at  $1\frac{1}{4}$  to  $1\frac{2}{8}$ . A good number of present holders have shown their confidence in the early future of this mine by have shown their

ORGANOS GOLD.—A correspondent, whose letter will be found in its proper place in another column, sends information confirming that given in our last week's Journal, and commenting upon a "bear" that given in our last week's Journal, and commenting upon a "bear" circular sent out a few days since, and which has had the effect of temporarily bringing down the price of the shares. The correspondent, while giving information which will, no doubt, be useful to both shareholders and the public, appears to treat the circular referred to on the principle that "It is an ill wind that blows nobody good;" and if holders of shares would follow such advice they would, probably have little cause for regret. Advices have just been reprobably, have little cause for regret. Advices have just been received from the mine, and of the most satisfactory character. A general meeting of shareholders will be held early in the coming month. It is believed the report to be presented to the shareholders will be of a most gratifying character. will be of a most gratifying character.

BRATSBERG.—The managers' monthly report will be found in another column, and is extremely satisfactory. Rich as the mines have been opening out for some time, several important improvements have lately taken place. The reserves have been estimated at considerably over 200,000l., and must have increased and be still increasing. They have been dressing about 1000 bags (or about 1000l. worth) of 20 per cent. copper ore a week, and two cargoes are expected to be shipped this month. It must not be forgotten that all this is being done with the old machinery, but when the that all this is being done with the old machinery, but when the erection of the new and powerful plant is completed in the coming autumn, the returns will be much larger. The whole capital of the

autumn, the returns will be much larger. The whole capital of the company is only 60,000/L, which is a most important consideration.

TRESAVEAN.—The report in another column shows that a very important point has been found rich. The mine is drained to the previously-expressed opinions of all who have reported on the previously-expressed opinions of all who have reported on the mine. The ground throughout Tresavean is firm—the shaft is in almost solid granite. These facts are undoubtedly of great importance in the opening of the mine, which has been previously worked. The report also states "some promising lodes are standing intact." The extent of the ground now open throughout, which it is said the whole of the tin, and scores of thousands of pounds worth of copper stand, is immense, the sett being about a mile in length. Caddy's and Gooch's lode stand throughout this length from surface, so that

there are 160 fathoms of backs; not a small mine, even if it were intended to drain no deeper, but it is understood that the drainage of the mine to the bottom will be carried on vigorously.

EAST WHEAL ROSE.—The plunger pole at the 40 is about complete and very shortly the mine will be drained to the 70 or 80 fm. level, soon to be followed by its being dry to the bottom. Another parcel of lead has just been sampled from the fine courses of ore above the 40 level; these are improving in value with depth. When the bottom of the mine is reached it is said such returns as have never previously been known from home mining will be forthcoming, for it is reported the lode is worth nearly 20 tons of silver-lead per fathom.

WEST CARADON MINE.—The most important improvement that has occurred since the present company commenced operations has just taken place in the 38 on Gilpin's lode. The lode at this point was supposed by the former company to have been destroyed by coming in contact with Vercoe's lode. The agent of the present company, however, was always of opinion that such was not the case, and that the lode would be found to the north of the level. A short time ago a cross-cut was put out north and the lode work. A short time ago a cross-cut was put out north, and the lode met with according to Capt. Richards' anticipations. During the past week the lode has improved to 2 tons ore per fathom, and it is showing the most favourable features for further improvement, particularly in the bottom of the love. larly in the bottom of the level.

EAST POOL, AND BOGUS SHARES.—The committee of East Pool have effectually prevented the fraudulent creation of shares escaping immediate detection. On the back of the statement of accounts and announcement of dividend they have printed a complete list of shareholders with the number of shares held by each. If this practice were made compulsory every purchaser of a mine share would know that unless he received such a list with his dividend there was some underhand work going on.

COAL MINING IN TRELAND—The editor of Jean who from

Coal Mining in Ireland,—The editor of Iron, who from the title-page thereof appears to be Mr. Perry F. Nursey, C.E., has obligingly forwarded us, to be quoted from his journal of June 22, our own paragraph, published in the Mining Journal of June 9, on page 670, and states that his information is derived from "a daily contemporary." That an editor should sleep occasionally is excusable—Nurses, like other people, require sleep—but to send out for quotation as a brilliant novelty a paragraph a fortnight stale, and of the very source of which he is ignorant, is scarcely justifiable.

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50 La Plata, £1 2s. 6d.

50 Mona Consols.

50 Mon s. 50 Old Shepherds, 11s, 9
70 Organos, 36s. 100 West Lisburne.
100 Parys Copper, 3s. 100 West Lebvon Con., 4s 6
50 Potosi, 14s, 9d. 100 West Crebor, 7s. 6d.
100 Prince Wales, 5s. 5d. 50 Wheat Crebor, 22 15s
NG. — Buy Nouveau Monde, Chontales, Organos, Port Priblip, 4s.
NG. — Buy Nouveau Monde, Chontales, Organos, Port propor shares for a quick rise, and shareholders and clients of the proportion of the shove.

50 East Craven Moor, 50 East Rose, 13s, 6d, 10 Eberhardt, 8s, 100 Emma, £2 18s, 9d, 100 Flagstaff, 3s, 6d, WORTH KNOWING. Phillip, and Wheal Crebon ted to apply for bona fide information to the above.

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### Notices to Correspondents

PREUMATIC ORE DRESSING—"K. C. L." (Adelaide).—The pneumatic system of dressing is but little practised in this country, yet would be quite applicable in the districts you mention where water is unobtainable. The wind would likewise furnish all the power necessary. In Brittany they have successfully separated galens from otherey ore with air where water entirely failed. The proportion of lead was never over 7 per cent., and the screens used were of 4 min., 5 min., and 10 min. one over the other; through these the air reaches the rectangular box, at the extremity of which a hopper distributes regularly the dried and pulverised materials which it is desired to classify. The worthiese portions being the lightest are easily driven off by the blast, while the leaden particles being heaviest are carried to the bottom.

WHITE-OR-BLUE COPIES OF TRACINGS—"Dialler" (Camborne).—Practically the

iess portions being the lightest are easily driven off by the blast, while the leaden particles being heaviest are carried to the bottom.

White-ox-Blue Corless of Thacknes—"Dialler" (Camborne).—Practically the process is too unwieldy if the tracing exceeds 3 ft. by 2 ft., but the apparatus is cheap, and the manipulation simple. First, laten three thicknesses of white fiannel smoothly on a flat board so that there is a 2 in. margin all round the tracing, and get a plate of good quality double thick window glass the same size as the board. Secondly, make a water-tight wooden box, 5 in. deep, and so that the tracing can lie at the bottom with 5 in. margin all round. No other apparatus is needed. The process is a photographic one, and requires cleanliness. In a stone or yellow glass bottle dissolve—citrate of iron and ammonia, 3 oz.; rec prussiate of potash, 3 oz.; distilled water, 2 ozs. A chemist will supply you with this solution for 4d. or 5d. Well shaken, they will dissolve and be ready for use in ten minutes. Lay the sheet of paper on which the copy is to be taken on a smooth table or board (not your fiannel board), and having put some of the solution in a dinner plate, give the paper agood even coating of it with a soft brush like that used for copying letters. Tack the paper against a wall or board in a dark place to dry, which will take an hour; when quite dry lay it, sensitised side up, on the fiannel board; then the tracing face up upon it, and put the sheet of glass on the tracing, taking care that the tracing and sensitised paper are both quite smooth and in close contact. Now expose the glass to the best light you can get. In the mid-day sun five to ten minutes will do the printing; in shade or cloudy weather two to three hours may be necessary. Experience will soon enable the time to be guessed at. After exposure lay the print in the box, and thoroughly wash it with clean cold water, and in five minutes the copy of the tracing, will be seen in bright white lines on a fine blue ground. After washing,

being at all injured.

Prospectuses And Circulars—"J. P." (Darwen).—We have no personal know ledge of the mines mentioned, never having seen them, and we never recommend the purchase or sale of shares. All statements published are on the authority of correspondents acquainted with the matters on which they write and they alone are responsible for the accuracy.

and they alone are responsible for the accuracy.

TELEGRAMS—"L." (Calpton).—There can be no question that in the event of telegram from England being addressed to the officer of an English company in charge of its mines abroad, the deputy or successor or any other office having control would be quite justified, the person to whom the telegram is addressed being absent, in opening such telegram. It would be improper to assume that it related to other than the business of the company. A telegram from an individual officer, and not intended to be opened as mentioned, should be addressed thus:—"Capt. Miner, personal, Aurum Gold Mines, Timbuctoo, or elsewhere, as the case may be.

Liggs or Markey Company (S. M. J. J." (Catesbead op. Type) — Lists of the

or elsewhere, as the case may be.

LISTS OF MINING COMPANIES—"W. J. J." (Gateshead-on-Tyne).—Lists of the lead, copper, sulphur, and iron mining companies are given in Mr. Hunt's Official Mineral Statistics, published by Longman's at 2s. The new volume for the present year will be issued from the Home Office as an ordinary Blue-book. You had better wait for it; last year's volume is old. The German would probably be found in the Berlin Official Zeitschriftfür Berg-, Hütten-, und Salinenwesen. We do not know any list of the French.

TREVITHICK'S ENGINE.—Will some correspondent be good enough to let me know who were the publishers of some photographs of Trevithick's high-pres sure tram engine, and their price.—I. H. J.

sure tram engine, and their price.—I. H. J.

Re:eired,—"B." (Waibrook): Inserted—"J. L." (Ayr): The Journal is always posted by first mall; if you do not receive it on Saturday evening complain at the Post Office—"J. L." (New Barnet): If you have found the office closed, you should write to the secretary, stating when you will call; perhaps the amount allowed for office expenses will not allow him to keep a clerk or office-boy—"Trade" and "Investor": In all cases of a correspondent using a pseudonym we insert the place and date of the post-mark. This is a most effectual method of causing correspondents to send nothing but what they are prepared to substantiate, and takes some of the responsibility from us—"W. A."

## THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, JUNE 23, 1883.

THE CHANNEL TUNNEL.

Every additional line of evidence taken increases the certainty Every additional line of evidence taken increases the certainty that, whether as a commercial speculation or for utility, the Channel Tunnel must inevitably prove a most lamentable failure. Before the joint Parliamentary Committee, on Tuesday, Sir Jacob Behrens, of Bradford, gave evidence in favour of the tunnel; but he was also in favour of making it one of the conditions of constructing the tunnel that the rates for woollen goods should be very low. It would not be much advantage unless the rates were kept down. He anticipated a large increase of traffic between this country and the Continent as the result of constructing the tunnel. Col. Majendie stated that he agreed substantially with the report of the scientific committee on the construction of the tunnel. Means could be found for destroying and obstructing it; but however perfect the means for destroying and obstructing it; but however perfect the means of obstruction there would remain an element of risk and uncertainty as to the operation of such means at the desired moment. He con-ceived that the tunnel could be so destroyed that it would be cheaper to make a new one than to repair it. By multiplying the means of destruction, the risk of their failure would be minimised, but not destruction, the risk of their failure would be minimised, but not removed. In experiments in firing mines failures sometimes occurred unexpectedly. There would be no difficulty, however, in obstructing the tunnel, and he had no anxiety on that point—there were so many ways in which it could be done. The most effectual way would be to let water in from the sea. Everything would depend upon the defences and means of obstruction being in a high state of efficiency, so as to put in operation at the right time.

As to Col. Majendie's views that the tunnel could be destroyed with great facility they are doubtless satisfactory to the country, but should suffice to deter capitalists from supporting the scheme, since it can scarcely be supposed that any Government would be insane

should suffice to deter capitalists from supporting the scheme, since it can scarcely be supposed that any Government would be insane enough to sanction the construction of a work which jeopardises the safety of the State without inserting the proviso that in the event of the military authorities considering the destruction of the tunnel necessary the tunnel shareholders shall have no claim for compensation, nor right to question the judgment of the military authorities in ordering the destruction, or in determining the method of destruction to be used. The mere prospect of 5,000,000l. or 10,000,000l. worth of property being annihilated by a few days military operations will not be without influence with cautious capitalists, and these are really the only class that are deserving of consideration.

are really the only class that are deserving of consideration.

But perhaps the most conclusive evidence against the scheme is
that of Lord Garnet Wolseley, given on Thursday. His lordship
considered it was to the interest of soldiers to advocate the construction of the tunnel, as it would necessitate the increase of the army but, as an Englishman, he was opposed to it, and thought he could count on his fingers the military men who were in favour of the tunnel, and they were men who had had no experience in war. Nor did he fail to support his views by sound argumentative statements. He said that he still concurred in the recommendations of the former committee, and believed that, although these recommendations were the best that could be made under the circumstances, they would still leave open a considerable source of national danger if the tunnel Dover was not a first-class fortress; indeed, it was were made. Dover was not a insteads fortrees, indeed, it was rather a third-class fortrees; and it differed from such a first-class fortrees as Antwerp, for instance, in having a considerable sea front, which would make it necessary to provide for its defence against an attack by irouclads from the sea. Except two mounted guns, he did not think there were any guns at Dover that were capable of pieroing ironclads. It would require a considerable addition to our army and in the strength of the garrison at Dover. addition to our army, and in the strength of the garrison at Dover, to make it a first-class fortress, like Metz, Antwerp, or Strasburg. He did not believe there were more than 1500 men in garrison at Dover, which would not accommodate more than 3000 men, whereas the normal strength on a peace footing of a first-class fortress ranged from 7000 to 10,000 or 12,000, or even 14,000 men. If the Channel Tunnel were made, with a good garrison of 10,000 or 12,000 men he nght a surprise at Dover would be very improbable in the event of war; but as to a surprise in time of peace, his contention was that within the course of a week, or even a day, it would be quite possible for any adventurous spirit to take possession of Dover with 2000 or 3000 men. If a small force were landed at Dover in the dark of night nobody might know of it till they knocked at the door of the

fort and asked for admission.

It is said that an ounce of experience is worth a pound of theory, and Lord Wolseley showed that all military experience was adverse to the tunnel from the jeopardy in which it would place the country. Referring to the possibility of a small garrison at Dover being surprised, he remarked that the ease with which such a surprise might be made was best illustrated by the seizure of the Suez Canal, when Referring to the possibility of a small garrison at Dover being surprised, he remarked that the ease with which such a surprise might be made was best illustrated by the seizure of the Sucz Canal, when the troops were landed at Ismailia, before anyone in Cairo knew that the troops were going up the canal. The first intimation of the event in Cairo was that the English troops had landed and were in possession of Ismailia. The surprise in that case was effected by having the telegraph wires cut at certain places, so that all communications were stopped. As to the means for destroying the tunnel, there was always a disinclination on the part of the governors of a nation to destroy great public works; and if efficient means of destruction were provided, they might not be used in time. Arabi Pasha was urged by his military adviser to blow up the Secz Canal, and had he done so at the time he was advised to do it, the war might have been going on at this moment; but Arabi hesitated to do it till the day before the landing of our troops at Ismailia, and then, of course, it could not be done. It would be possible to send troops through the tunnel to take possession of the works at Dover; but it would be better done by landing troops at Dover Harbour. At present the English and French are firmly united in friendship, and long may this friendship continue; but in the event of war each would undoubtedly do the best they could for themselves, and as to the risks of a sudden attack, he said it was known at the War Office that in 1840 an order was sent by the Prime Minister of France to destroy the British fleet in the Mediterranean. That order was delayed by an accident, but had it arrived in time our fleet was then so miserably provided that it must have been destroyed.

One very absurd argument put forth by the advocates of the

Mediterranean. That order was delayed by an accident, but had it arrived in time our fleet was then so miserably provided that it must have been destroyed.

One very absurd argument put forth by the advocates of the tunnel is that "if the tunnel will create a danger for England it must create an equal danger for France." This is not a fact; the cases are entirely different. Lord Wolseley stated, in reply to a question, that he thought an invasion of England by the army of France was a possible operation now, and would continue to be so till our country is put in a proper state of defence. In reference to the numerical strength of our army, he admitted that if all our men were called out we would have men with muskets—he should not call them soldiers—to the number of half a million. He thought it would be impossible for this country ever to raise its head again as an independent Power if the Channel Tunnel were in possession of a foreign Power. And he almost ridiculed the idea of our invading France, remarking that he thought to attempt such an invasion would be the act of a madman with our present small force. The alternative then seems to be the prohibition of the tunnel or the introduction into Great Britain of that system of universal and compulsory military service which causes such interminable misery and annoyance on the Continent.

The Channel Tunnel Committee will, it is expected, finish taking avidence this week, and will then adjourn for a few days preparatory

evidence this week, and will then adjourn for a few days preparatory to the consideration of their report. Whatever view the committee may adopt it is now recognised that it will be too late to proceed this year with the Channel Tunnel Bills now before Parliament. Too much care cannot be taken to guard the community against future claims for destruction of the tunnel should the making of it be

THE PREVENTION OF ACCIDENTS IN MINES.—ESSAYS BY WORKING MINERS FOR PRIZES.

The prevention of accidents in mines has been much written about, yet the death-rate from "falls" in particular has not diminished. Since the passing of the Mines Regulation Act in 1872 it appears that 9976 deaths have occurred in collieries; of these 244 per cent. were due to explosions, and 40 per cent. from "falls," to which, therefore, the greatest attention should be paid, especially as many of the deaths were through the sufferers carelessness. The premany of the deaths were through the sufferers' carelessness. The prevention of explosions having received more attention than the prevention of falls, Plasse's West Collieries Institute in the North of England have just offered three prizes for "practical suggestions from coal miners for guarding against the accidents still usually met with in our mines." About eight years ago the late Mr. Hermon, M.P. for Preston, offered two prizes for the best essays on the prevention of accidents in collieries. A number of working miners entered into competition, but the prizes were gained by mining engineers, who wrote elaborate scientific treatises on gases and explosions. The adjudicators, singular to say, were two barristers, Mr. STAVELEY HILL and Mr. THOMAS HUGHES, whose ability to decide upon so practical a matter was questioned. Now, however, as regards the Plasse's prizes, the adjudicators will be practical mm, and the competitors working miners, so that valuable suggestions are

gards the FEASE'S prizes, the adjudicators will be practical men, and the competitors working miners, so that valuable suggestions are anticipated. But much will, of course, depend upon the miner himself for securing his own safety.

As a rule, the miner regards coal-getting as his only remunerative employment, as timbering brings him no money return for his labour, hence he neglects the latter unless danger becomes very apparent, and even when aware of this if timber be not at hand in his stall he will not go it sarehed a prays. In the Narth of England the "deputy of the second of the stall he will be seen to be seen t not go in search of props. In the North of England the "deputy system" is successfully carried out, men being appointed to see that the roof of the working places and main roads are properly supported. In all cases, however, sufficient timber should be provided in the miner's stall and within his reach. Many accidents occur in the main roads, owing to loose stone resting on the timber or being supported only by the adjacent shale. In roads where persons are constantly passing and repassing the roof requires particular examination. Main roads, again, should have no overlapping stone left

unsupported. Much also depends upon the discretionary work of the miner, and concerning this the practical suggestions of working miners will be of real value, and in their interest a large competition for the prizes is invited, the committee announcing that the necessary information can be obtained from Mr. GUY, Pease's Collieries, near Darlington. It is, therefore, hoped that many workmen will enter the lists, for the important problem involved is one in which they are most interested. The result of the competition and the suggestions contained in the winning essays will, of course, be fully reported.

are is found incines at a night angle. In the North of England, near Greenhow Hill, the ordinary lead-bearing veins are generally east and west veins, with barren north and southeross veins; good ore, however, is often found at the intersections. The east and west veins are sometimes cut off or shifted by cross veins. At Grimworth Moor, near to the ore, such veins are found composed of carboniferous lime-stone rocks, the lead ores not being in ilots or lying between bels. But these do not run to any great distance along a bedding plane like a coal seam, and only bear lead where a spar vein intersects it.
Flots in connection with courses of dun limestone have also been met
with, and in the Bishopdale and elsewhere the ore has been developed only at the intersection of other veins and cross courses. dun courses, where there are flots, are considered to indicate lead. These latter bear a similar relation to the flots as the cross veins, the difference being that a cross vein is a comparatively narrow crack in which ore is found at the flot planes. Where a dun course crosses a flot plane the metal is often found between the dun course and the white limestone. These peculiarities are of somewhat rare occurwhite limestone. These peculiarities are of somewhat rare occurrence here, but have been found in some parts of Europe. In the lead and zinc ore districts of Raibl Carinthia the metalliferous limestone and dolomite of the district occurs below the Raibl shales.

The mineral deposits are evidently formed after the rock and ore of The mineral deposits are evidently formed after the rook and ofe of secondary origin; the deposits are frequently coeval with concentric layers of different ores. The latter have apparently been introduced into cavities and fissures dissolved out of the limestone, elimination of the calcareous matter, and infiltration of the metallic minerals. perhaps going on together. They are intimately connected with the faults and joints. These peculiarities may have been met with in many districts but not recorded, although a notice of them could not fail to be interesting to both metallurgists and geologists.

### THE SULPHUR TRADE, AND ITS PROSPECTS.

It appears that the failure of the process for recovering sulphur from alkali waste with which Mr. Chance's name is connected is not so complete as its opponents could wish, and that the "total abandonment of the process" is merely the magnified report of the fact that at Mr. Chance's works the experimental plant has been temporarily laid out of use in order to replace it by the permanent plant which is to be used in future. In a long communication to the Glasgow Herald Mr. Chance remarks that the fact that the information given by him from time to time may have been used for grant or the control of the control Glasgow Herald Mr. Chance remarks that the race that the fact that the consolation of knowing that all he has tated is strictly true, has the consolation of knowing that all he has tated is strictly true. has the consolation of knowing that all he has stated is strictly true, or that he has erred on the right side. He refers to a paper which he read at Liverpool on April 18 on the "Present Position and Prospects of the Schaffner and Helbig Sulphur Recovery Process," and adds:—Mr. Newall, of the Washington Chemical Works, county Durham, in describing the plant now being erected by him for working this process, described it as "a process which I feel sure will do much to put the old Leblanc process, of which we are all so proud, on an equal footing with the newer ammonia process, of which we are all so afraid;" and he concluded by affirming that, in their exceptionally favourable locality for working this process, he expected to recover his sulphur at a price "less than 1d. per unit." Dr. Hewitt, of the Radcliffe Chemical Works, near Manchester, commenced by stating that "I think Mr. Chance has put forward rather the dark than the fair side of the prospects of this process." Mr. James Mactear, the technical partner in the firm of Messrs. C. Tennant and Co., of St. Rollox, who is regarded not only in England but throughout the Continent of Europe as a high authority on such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that "I have only to such subjects, concluded his remarks by stating that process." subjects, concluded his remarks by stating that "I have only to say that I have had every opportunity of investigating the results obtained at Messrs. Chance's works, and am quite satisfied, basing my opinion on perfectly independent figures, that the cost should not be much more than 3d. per unit; and in the case of works such as ours, where cost of limestone being high makes the mud of more value, I should not be surprised to see it reduced to 2d. per unit." Mr. Edmund K. Muspratt, of Liverpool, who presided, and whose experience is second to none, in summing up the discussion, remarked:—"My own opinion is that on the whole he (Mr. Chance) has erred on the right side, and that his estimate of the cost of the sulphur, as the equivalent of 3d. per unit in pyrites, is reasonable." sulphur, as the equivalent of 3d per unit in pyrites, is reasonable."
These utterances from men of vast experience and of the highest
ability, expressed only after they themselves had thoroughly sifted the process in operation on a large scale at these works, sufficiently dispose of the allegation that "in the words of those well qualified to express an opinion the sulphur recovery process is most completely a commercial failure.

a commercial failure."

Mr. Chance not unnaturally asks by whom the process has been wholly abandoned, and replies:—Not by Mr. Newall, who is busily engaged in building his plant. Not by us, who have simply suspended our operations for two very simple reasons.—1. The plant devised and constructed by us at much cost—purely for the purpose of solving on a manufacturing scale the question (upon which we somewhat hazardously embarked) of the value of this process—was never intended by us to be used permanently. It has taught us all that we built it for, and the experience thus gained will be invaluable to all who may eventually adout the process—2. Refore we commence to built it for, and the experience thus gained will be invaluable to all who may eventually adopt the process.—2. Before we commence to erect new plant close to our vat waste and close to our alkali process, and before many other intending licensees commence their plant, we one and all naturally desire to know what course the Tharis Company and their allies intend to pursue as regards the price of pyrites after 1884. For it is in the power of the pyrites importers, by a reduction in the price of their sulphur value, to counteract the advantages of this sulphur recovery process, and thus to prevent its adoption. The decision of the pyrites companies can not long be delayed, and pending their decision prudence naturally causes alkali makers to pause before entering upon the large capital outlay which the adoption of the Schaffner and Helbig process will entail.

## THE METAL OF THE FUTURE.

If it be assumed that the metals which we are at present accustomed to regard as essential to the comfort and convenience of everyday life are to be superseded the determination of what is or is not to be the metal of the future must doubtless depend upon so many circumstances—the discovery of new processes, new fuel and the many circumstances—the discovery of new processes, new tue, and the like—that it would be dangerous to hazard an opinion upon the subject; but with regard to some inventions it is frequently very easy to arrive at the conclusion that they are not destined to revolutionise existing notions or interfere with the commercial value of metals at present in the market. At a recent meeting of the Franklin Insti-tute the Secretary read an interesting report, in which he remarks tute the secretary read an interesting report, in which he remarks that for the past month or two the technical papers have been full of accounts of a new process for manufacturing the metal aluminium and by which it is affirmed in very positive terms that the price has been reduced from 1000t. to 100t. per ton, or to about 1s, per pound; and he then proceeds to criticise the process, prefacing his criticism by an admirable little account of aluminium generally. He explains that aluminium, the metallic basis of clay, is even more widely disseminated over the surface of the earth than iron. It is one of the seminated over the surface of the earth than iron. It is one of the constituents of the minerals, felspar and mica, of which the granites and gneises are largely made up, and of the clays which result from the disintegration of these rocks. It exists in considerable quantities, also, in nearly all the so-called crystalline rocks, and the silicates of alumina in various combinations form the most numerous class of minerals. class of minerals.

the important problem involved is one in which they are most interested. The result of the competition and the suggestions contained in the winning essays will, of course, be fully reported.

LEAD ORE BETWEEN BEDS.

It appears that in some localities lead ore occurs not in veins but in "flots," a term which appears to relate to the mineral being found in "flots," a term which appears to relate to the mineral being found between beds of strata. The word flot is sometimes used, but according to Mr. DAKYNS, M.A., of the Geological Survey, the term is used when the flot or bedding planes in connection with which the are is found inclines at a high angle. In the North of England, near Greenbow Hill, the ordinary lead-bearing veins are generally east and west veins with barrars rooth and the suggestions contained in the winning essays will, of course, be fully reported.

Abundant as are the ores of this metal it is one of the most difficult to reduce. Shortly after the discovery, near the beginning of this century, by Sir Humphry Davy, that the so-called earths, soda, potash, lime, alumina, &c., were metallic oxides, and not simple bedies, as had hitherto been supposed, and his demonstration of the fact by isolating the metals oxidence. Shortly after the discovery, near the beginning of this century, by Sir Humphry Davy, that the so-called earths, soda, potash, lime, alumina, &c., were metallic oxides, and not simple bedies, as had hitherto been supposed, and his demonstration of the fact by isolating the metals to reduce. Shortly after the discovery, near the beginning of this century, by Sir Humphry Davy, that the so-called earths, soda, potash, lime, alumina, &c., were metallic oxides, and not simple this century, by Sir Humphry Davy, that the so-called earths, soda, potash, lime, alumina, &c., were metallic oxides, and not simple the this century, by Sir Humphry Davy, that the so-called earths, soda, potash, lime, alumina, &c., were metallic oxides, and not simple the this century, by Sir Humphry Davy, that the s Abundant as are the ores of this metal it is one of the most diffi-1854, when St. Claire Deville solved the problem measurably, by reducing the metal from anhydrous chloride by reduction with metallic sodium. It was thought then that the successful solution of the problem of producing aluminium on the commercial scale would speedily bring about a revolution in the metallurgical world. But though nearly 30 years have elapsed since that time aluminium is still by reason of its bids. still, by reason of its high price, ranked among the more precious metals, and is consequently debarred from competition with copper, zinc, tin, iron, and steel for the numerous industrial uses for which it is well adapted, by reason of its many admirable and unique qualities.

The metal aluminium has a grayish white colour, between that of zinc and tin; it is exceedingly light, being only two and a-half times heavier than water—that is, about three and a-half times lighter than copper, four times lighter than silver, and nearly eight times lighter than gold. It is remarkably sonorous, giving out a very clear

stroys nearly all the metals with the greatest energy, having little or no action upon it, and even the white heat of the furnace only suffices to oxidise it superficially. It has a tensile strength equal to that of copper, and conducts electricity nearly four times better than iron. It forms alloys with many of the metals, many of which have remarkable qualities. Of these alloys, those with copper—the so-called aluminium bronzes—are the most notable, being possessed of such valuable properties that their extensive adoption in the arts is only hindered by the one circumstance of their comparatively high cost. It will be apparent, then, that a wide field would be at once opened for it in almost every department of industry if once the problem of its cheap production were solved. Aluminium at 1s. a pound would indeed "effect important changes in the metal trade, not only in England but throughout the world"; but Mr. Webster's process is not calculated to assist to bring about that change.

change.

The Webster process embraces two principal elements—the prepa The Webster process embraces two principal elements—the preparation of an anhydrous chloride of aluminium and of a double chloride of aluminium and sodium by a very tedious and roundabout method, and from this chloride the metal is subsequently obtained by the use of sodium as a reducing agent. The invention was mentioned as a remarkable discovery in English scientific society by men who ought to have known better, and it appeared to occur to no one to subject the extravagant claims of the alleged improvement to the test of intelligent criticism, yet the statements were such that it is not surprising that the secretary of the Franklin Institute says that he was more than astonished that claims so grossly and palpably erroneous and exaggerated should have been permitted to pass unchallenged in the country where they originated, and which boasts of so many eminent authorities in metallurgy. The alleged new process is almost a literal copy of the old time-honored, introduced and practised in France for the past 20 years. In the only important feature the production of an anhydrous chloride, and the reduction of this by means of sodium, it is absolutely the same. The only features that can be called new relate to the method of treating the raw material some convenient and cheap aluminous substance, only features that can be called new relate to the method of treating the raw material some convenient and cheap aluminous substance, and after reading Mr. Webster's patent specification, the secretary is well satisfied that those portions of the process that are new are the only portions that are worthless. He urges, moreover, that when an inventor publishes his invention with such extravagance of statement he must expect the most searching investigation of his claims. The utter absurdity of Mr. Webster's claim to be able to produce aluminium at a cost of 100L per ton, which would be equal to about 1s. per lb., will appear from the simple statement that to reduce 1 lb. of the metal from the chloride requires, theoretically, very nearly 3 lbs. of metallic sodium, and in practice nearer 4 lbs. than 3, and the cost of the sodium alone required for the reduction of 1 lb. of metal will be 4s., if not more, to say nothing of the tedious and costly preparation of the chloride. Aluminium, he is satisfied, is the coming metal, destined one day to play as prominent a part in the arts of civilisation, perhaps, as iron, but after raising our expectations to so exalted a pitch, Mr. Webster's much advertised solution of the problem of producing it cheapily forcibly recalls to memory, by the similarity of its descent from the sublime to the ridiculous, the old quotation—Parturiunt montes, nascetur ridiculus culous, the old quotation-Parturiunt montes, nascetur ridiculus

#### SCOTCH PIG-IRON WARRANT MARKET.

SCOTCH PIG-IRON WARRANT MARKET.

Mr. W. WILSON (Glasgow, June 21) writes:—The improvement reported in the beginning of last week has not been maintained, but a large business continues to be done, chiefly on trade account. Outside operators are cautious, and will keep aloof until unmistakeable evidence is forthcoming of a sustained improvement in the demand. From certain iron centres rather better reports come in, but quietness continues to be the prevailing feature of the trade. Shipments are fairly good again, although not comparing favourably on the week. A furnace has been put out at Glengarnock, which reduces the number blowing in Scotland to 114. 2951 tons were put into store here last week, and 600 taken out at Middlesborough. Business was done during the past week at the following prompt cash prices:—

prices:—					-	-		41
Thursday, June 14.		rlday, Jui				onday,		
47/1, 47/2, 47/1	47/1	, 46/101/4.	46/1	11/2	46/	11%, 46	/10,	46/11
Tuesday, June 19.	We	dnesday,	June	20.	Ti	ursday	, Ji	ine 21.
46/11, 47/1/4, 46/111/4		47/16.46/						11/4. 47/
		1883.		1882.		1881.		1880.
Price of Scotch Warrants on J	une 18	46/11	***	48/1		47/		
Furnaces in blast in Scotland		114	0.00	103	***	120		116
Shipments of Scotch pig-iro week ending June 16	n for }	13,255	***	15,308	***	13,537		9,507
Do. since beginning of year		287,126		289,555		252,212		360,240
Iron in store at this date		583,381		637,440		546,032		447,247
Price of Middlesbro', No. 3, J		39/		43/416		37/	***	39/
Furnaces in blast Middlesbro	dist.	118		119		119		110
Middlesbro' Iron Imported								
Grangemouth, week en June 16	ding	5,280		2,250		9,285	***	4,420
Do. do. since beginning of ye	ar	127,532	***	104,572	***	140,446	***	107,830

New Terbas Mine.—During the past fortnight this mine has been inspected by several eminent mine agents, sent by various shareholders who wished to satisfy themselves as to the correctness of the reported value of this property. Capt. Williams wrote his employers a most satisfactory report, stating that the mine is far richer than he expected to find it, and then follows a detailed statement. Capt. W. Rich, of South Condurrow and other mines, states in his report that the sett is of great extent, and has a length of over a mile on the run of the lodes, and is situated to the south and to the west of the granite formation. There are large elvan dykes traversing the clay-slate in this district. The principal elvan in the New Terras seems to have a general bearing of north and south, and has been worked on formerly to some extent by open workings from surface. This large elvan, which in places is 40 ft. wide, has been broken down and stamped pell mell for tin, and I am told some 7000. worth of tin ore has been sold from these workings. It appears, however, there is a large lode running to the south of east and north of west that strikes this elvan on the east side. At and near the point of contact the lode has yielded some rich tinstone. A winze has been sunk on this lode below the shallow adit some 7 fms. on a lode which is 12 to 15 ft. wide, and from the samples I took away with me I find it yields ½ cwt. of tin to the ton, or a produce of 2½ per cent. This is above the average yield of our deep mines in Cornwall, and as it is very near the surface in the New Terras Mine it should be worked at a good profit, provided it extends away castwards from the elvan, and there is every reason to believe it will when it is opened on. The lode after it came in contact with the elvan at the point spoken of seems to have taken a northernly direction with it, and carries tin in the head of the cutting going north. NEW TERBAS MINE .- During the past fortnight this mine has

SMELTING IRON WITH PETROLEUM .- The idea of utilising petroleum as a fuel for metallurgical purposes has again come into notice on the other side of the Atlantic. Some interesting experiments have been carried on for some time past in works erected at Montreal by Dr. Duryee, of New York, who claims that he has demonstrated that with crude petroleum as fuel iron can be manufactured with practical success. The Montreal furnace takes 2 tons per hour of ores, giving at the lower end a perfect slag, and showing the reduction to be complete, as the ores are six hours in the reducing gas The petroleum is blown into the furnace, in the form of spray, by a current of air. It is ignited by the fire in the furnace, and the intense heat which results is utilised in reducing the ores. The weight of the furnace is about 100 tons, its length being 120 ft. and its inclination 5 ft. It is said to be capable of reducing about 4 tons of ore per hour. The Canadian Iron and Steel Company of Canada have tion 5 ft. It is said to be capable of reducing about a total ton 5 ft. It is said to be capable of reducing about a total ton 5 ft. It is said to be capable of reducing about a total to

#### REPORT FROM CORNWALL.

June 21,—There still seems no good prospect of a definite change for the better in mining business generally, but it surely cannot be much longer delayed; and there is some consolation in the fact that if delayed under present conditions it will be all the more substan-tial when it comes. So we still live in hore. There is ample confitial when it comes. So we still live in hope. There is ample confidence indeed in the future, as the ready way in which calls are met testifies, and the desire expressed on all hands locally to keep matters on a sound financial basis.

testifies, and the desire expressed on all hands locally to keep matters on a sound financial basis.

There are two things in connection with the Dolcoath business that we cannot at all understand. One of these is the idea which seems to possess Mr, Rule and a few of his friends that the management of Dolcoath can be held criminally responsible for what has happened, for on the same theory it would not be very difficult to catch Mr, Rule as an adventurer himself in the same net, and convict him also of neglecting not sifting every detail in the Cost-book. The other is the amount of sympathy — mostly indeed anonymous—that has been and is being shown for Mayne. The committee of Dolcoath are charged, forsooth, with acting unjustly towards him, because they decline to make public certain matters that may tend to defeat the ends of the prosecution and the purposes of justice! How sensible business men can talk or write such nonsense is almost beyond belief. Nothing is in any way in question connected with the fact of Mayne's guilt or innocence. The points in the minds of the committee and the prosecution are points of a technical kind—legal not moral—and they do not feel inclined to assist Mayne or Mayne's advisers to shuffle out of the just consequences of any crime that may be brought home of the just consequences of any crime that may be brought home to him, by taking advantage of mere technalities or side issues in the manner attempted before the magistrates. Strange ideas, in the manner attempted before the magistrates. Strange ideas, indeed, appear to rule with some people. Mayne is to be helped to escape the consequences of confessed crime. The committee—themselves amongst the heaviest losers by the fraud committed—are to be punished in addition for another mau's offence. Because they did not catch him they are to be caught. However, no doubt by and bye wiser counsels will prevail. Blame, of course, there is, but it is not because the scheme of this character.

and-bye wiser counsels will prevail. Blame, of course, there is, but it is not blame of this character.

Special attention is deserved by the long list of nominal mining companies published in last week's Journal. We say nominal, but of course in such a long list it is hardly likely that all can be in that predicament. We know only too well how many mining companies have been floated with no prospect—and in some cases with no intention—of success, and particularly what use has been of the Limited Liability Acts. Still we confess we were not quite prepared to find over 100 mines in one group called upon to justify their existence by making the needful returns, or by being proved to be in operation. A great contemporary has remarked that 19-20ths of the whole of these mines were "of a class which would never be touched by the great body of Cornish mine adventurers;" and, whether this whole of these mines were "of a class which would never be touched by the great body of Cornish mine adventurers;" and, whether this be precisely the case or not, certain it is that it would have been far better for the interests of mining generally, as well as for the pockets of the adventurers individually, if they had never been started. About a fifth of the whole are connected with Devon. It is very curious and instructive to note the run on certain variations of well-known names. of well-known names.

In one view it is to be regretted that the adventurers in Tincroft In one view it is to be regretted that the adventurers in Thioroft did not see their way clear to effect a new lease on the basis of the terms proposed by Lord Robartes. Captain Teague's sliding-scale proposal is, undoubtedly, far better than the method now customary; but if ever the wants of Cornish mining are to be fully met, and the residing of lorder and edvectors but now a stable basis it must be position of lords and adventurers put upon a stable basis, it must be by taking the profits into account. Nor can we see any objection to a fixed low rent in addition, though it would be better to call it rent than dues. The lord of a mine is entitled, as we have always contended, to a fixed rent for land occupied and surface drainage. Beyond that all is speculative, and his returns should be speculative as well as those of the adventurers. It seems as though an excellent expectantiate of establishing this principle had been missed but lent opportunity of establishing this principle had been missed, but we are none the less certain of its final adoption.

### REPORT FROM DERBYSHIRE AND YORKSHIRE.

June 21.—There has not been much change of late as regards mining operations in Derbyshire, and trade taken altogether has not been so good as it was a few weeks ago. Lead mining goes on much as usual, the men working steadily, and the average output maintained. It is, however, different as regards the coal mines, for the men working in them are on short time. The demand for house the men working in them are on short time. The demand for house coal has fallen off considerably, more especially for the London market, whilst prices have gone down as well. This has affected several of the largest collieries, including those at Clay Cross, Eckington, Grassmoor, Staveley, and Pinxton, all of which sell direct to consumers. The reduction which has taken place in the price places the colliery owners in a most unpleasant position, for they are now getting considerably less for their coal than they did before they gave the miners a 10 per cent. advance. The question now is how long is this state of things to continue. Many of the masters say that, so far from realising any profit, they are actually losing money, and this cannot last much longer. The men who were agitating for working only five days a week have obtained what they were demanding almost by force as the result of the state of trade, and some, indeed, more than they required, for not a few are now working but four days a week. Steam coal has gone off rather better of late, but the demand is by no means equal to the production; and were it not for the men working in them are ou short time. The demand for house a week. Steam coal has gone off rather better of fate, but the demand is by no means equal to the production; and were it not for the large quantities required for the smelting of iron owners would be placed in an awkward fix. As before stated, there is no port within a moderate distance of the bulk of the colleries to which it can be sent by railway for shipment. It is in consequence of this that the mine owners are looking forward with a good deal of interest to the result of the Hull and Lincoln Railway Bill now before a Committee of the House of Commons. It is undoubtedly the Bill of the session as far as regards railways, and the fight will be one of the most costly that has taken place for some years. In the event of its passing—which to say the least is doubtful—there the event of its passing—which to say the least is doubtful—there would not be much difficulty in getting a Bill to make a railway from some near point on the new lines to the heart of the Derby shire coal fields, and so give a more direct route from Lincolnshire to the Metropolis, ria the Midland. The steam coal would then find an outlet at Hull for shipment, and so compete with that sent from the West Riding. In other descriptions of fuel there has not been much charge.

much change.

The iron trade of Derbyshire and the adjoining county is not so active, although there has been no diminution in the output, but the demand has become less brisk for several places, but there has been no diminution as regards the quantity used at the local works. The removal of the steelworks at Dronfield to the place at Workington erected by Cammell and Co. (Limited) is giving that once prosperous place quite a deserted appearance. A large number of houses are empty, and during the past week many families have gone away together to the vicinity of the new works. The consequence is that house property is almost unsaleable at any price, so that those who wish to purchase houses of their own can do so at a small outlay, the taxes being the most important consideration, for the few will have to bear a heavy burden at which the many did not bear without a

good deal of grumbling.

In Sheffield trade continues good taken altogether, more particularly in the heavy branches, the two leading companies being particularly active in armour-plates, and for these it would appear orders continue to be sent in from various Governments, including

10 per cent. reduction, and as the stocks were pretty nearly exhausted during the struggle, there will be plenty to do for some time to come in edged tools. A steady business has been the rule, and there has been an increased production of light agricultural implements and garden tools. The foundries have been working better of late in both heavy and light castings, whilst the engine-works are more fully employed.

The Coal Trade of the West Riding is tolerably good for the time of year; but, as usual, short time is the rule, owing to the falling off in the demand for house coal. Steam coal is now going off well, there being a large tonnage forwarded to Hull, Grimsby, and Goole for shipment to the North of Europe, France, and several of the house parts. home ports.

#### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

June 21.—The large supplies of coal which are now available from the Cannock Chase district consequent upon the season decline in the demand for best house sorts tend to keep down the prices of manu-facturing coal at a point lower than the slightly increased demand, facturing coal at a point lower than the slightly increased demand, for mill and forge sorts would otherwise just now warrant, hence this week while reporting rather better sales masters are unable to point to any improvement in prices. Good forge coal is priced at 7s. 6d. to 7s. per ton at the pits, and inferior sorts at 6s. 6d., while a mixture of small coal and slack can be obtained from the Chase at somewhat under 5s. per ton. This week samples of coke made by one of the new economical processes for retaining the hitherto waste products are being introduced to some of the ironmasters in South Staffordshire, and by them the quality of the new article is to be tested. The best state of things noticeable a week ago in the iron trade continues, and prices of foreign pigs especially are stronger. Some agents ask a further advance of 1s. 3d. per ton upon last week. Common native pigs are, however, unimproved at 40s. to 37s. 6d. The sheet trade shows most improvement in the manufactured branch, and last week's advance of 5s. per ton is upheld.

The Mines Drainage Commissioners are now working at a loss of 8000*l*. a year. This transpired on Friday last, during a meeting in Wolverhampton of arbitrators and commissioners to hear appeals against a draft mines drainage award for the Tipton district. There against a draft mines drainings ward for the Tipton district. Increwers an unusual number of appellants, for the proposed rate was the maximum allowed by Parliamentary powers, 9d, a ton on coal and slack and ironstone, and 3d. on fire-clay and limestone. The legal arbitrator—Mr. G. M. Dowdeswell, Q.C., said that the Commissioners must have money, or the whole district would be drowned out. The Commissioners now looked to the mineowners to accept the neces-

sarily heavy rate in order that the expenses of the Commission might be met. The decisions in all cases of appeal were reserved. The North Staffordshire colliers have addressed a request to their The North Stationashire collers have addressed a request to their masters that they would receive a deputation to discuss a settlement of the present dispute. The application has been replied to by Mr. Frederick Wragge, Chairman of the Coalmasters' Association, who states that during the long period he had been connected with the iron trade of North Staffordshire he has always been in favour of meetings between employers and workmen whenever any difference or dispute has arisen; but that he is bound to say in the present inor dispute has arisen; but that he is bound to say in the present instance he is not of opinion that a conference would be of any use. The ironmasters, Mr. Wragge contends, have always acted with per-

The ironmasters, Mr. Wragge contends, have always acted with perfect justness, fairness, and consideration towards the workmen. This reply has occasioned disappointment amongst the men, and they have resolved to continue the strike. Some of the men are being gradually drafted into other districts. A deputation to North Wales has been appointed to ascertain and report upon the desirability of sending men to the district, an offer of places for 200 men having been received from there.

Messrs. Thomas and Bettridge (in conjunction with Messrs. Holbeche and Sons) offered for sale by auction, at the Great Western Hotel, on Thursday, a small residential estate of 300 acres, known as Haselour Hall Estate, situate in Staffordshire, between Alrewas, Tamworth, Lichfield, and Burton. The estate consists of an ancient half-timbered hall, standing in a park of 34 acres of rich feeding turf, with manorial rights, good shooting, and about one mile of river fishing, and within 10 minutes' walk of Haselour railway station. The hall is said to possess great historical and archæological attractions, being one of the oldest residences in the county, and it has recently been artistically restored. There was a large number of persons at the sale, and the bidding, which commenced at 10,000l., reached 24,000l., at which sum the property was withdrawn. reached 24,000l., at which sum the property was withdrawn.

### TRADE OF THE TYNE AND WEAR.

June 20.—The Steam Coal Trade north of the Tyne continues very good. There is a good demand for all kinds of steam coal, including small and bunker coals. The demand for gas coal is very quiet here at present; it is of course the dull season for this description. The demand for coke in Durham for inland consumption, and for shipment continues good; the demand for house coal is also good. The Harton Coal Company have long been famous for this class, which is got from the Binsham seam; they have now introduced their Cleadon Wallsend, worked from the Boldon Colliery, and it promises to be of good quality. The use of the electric light in and about mines and collieries is likely to be much extended shortly; it has been tested now at some places, and it is found to be admirably adapted for lighting the surface works, engine-houses and screens, &c.; it has also been fairly tried in the underground works in the engine-houses, stables, &c., near the shaft; in all those situations the light is found to be vastly superior to the old system of oil lamps, and also much superior to gas lighting. At the extensive Hetton Collieries the light has been introduced to some extent at the surface works, and it is highly approved of so far. Whether this light will be ultimately extended into the internal workings of collieries to take the place of safety-lamps is, of course, as yet an open question. There are, no doubt, yet serious difficulties to be encountered, but these obstacles may be overcome in time; that the light will be advanced along the main roads and up to the main landing places, where only fixed lights are required there can be no doubt. When this is accomplished it only remains to perfect a small portable lamp which can be carried by hewers and all other workmen into the June 20.—The Steam Coal Trade north of the Tyne continues very where only fixed lights are required there can be no doubt. When this is accomplished it only remains to perfect a small portable lamp which can be carried by hewers and all other workmen into the bords, airways, &c. A lamp of this kind has already been made by Mr. Swan, but it appears that it does not yet fulfil the conditions required. It is to be hoped, however, that ultimately this difficult task will be accomplished; the attention of electricians and scientific mining engineers has been directed to this object for a considerable

mining engineers has been directed to this object for a considerable period, and it is acknowledged that all the safety-lamps at present in use are only comparatively safe.

The Bill brought in by Mr. Burt for the purpose of amending the Owners' Liability for Accidents Bill met with little support in the House of Commons. The opposition of Mr. Pease, who moved an amendment, proved fatal to it, as the amendment was carried by a large majority. The object of Mr. Burt's Bill was to make the Act in future compulsory in its application. The proposed Bill has received a considerable amount of support amongst the Durham miners; but in Northumberland it has met with some opposition from the same in Northumberland it has met with some opposition from the same class, and, generally speaking, we are inclined to the opinion that the working classes in this district prefer to have the power of contracting themselves out of the provisions of the Act. be recollected that the miners in this district have the advantage of the Permanent Relief Fund, and the colliery owners have rendered very substantial support to the fund, which they could scarcely be expected to continue if the Act alluded to were made entirely compulsory. If this had occurred we do not fee a made entirely compulsory. pulsory. If this had occurred we do not for a moment suppose that all the colliery owners in this district would have withdrawn their support from the Miners' Permanent Relief Fund; but we hold that

pected at the end of the month, and also a large reduction of stocks. It is, however, rather probable that at the next meeting of the iron-masters, which will be held shortly, it may be determined to put some furnaces out. There is no better feeling in the manufactured iron trade, and prices are declining to some extent. Ship-plates can now be bought for 6l.; common bars, 5l. 16s.; boiler-plates, 7l.; puddled bars, 3l. 12s. 6d. The steel rail trade continues dull. The shipments of pig-iron for the week ending on Friday last were 22,751 tons, and 3579 tons of manufactured iron and steel. The shipments for the first half of the month are 50,000 tons—a very large delivery. The pig-iron market is quiet, at a little over 39s. for No. 3. Coals and coke at Middlesborough are steady, at late rates. The make of plates in the district is being reduced. The plate-mills at Darlington, Bishop Auckland, and one at Witton Park have been closed. These inland mills cannot compete with the river-side works, owing to the heavy charges for railway carriage.

At the Consett Iron Company new steelworks were opened and tested on Wednesday last, the result being extremely gratifying. The scheme was first projected three years ago, and the company have expended a considerable sum of money in carrying out this new undertaking. The new buildings are situated on the south-west side of the extension ironworks, and stand close to the Consett branch of the North-Eastern Railway, being fitted up with all the necessary railways, sidings, &c. The works consist of extensive underground flues and ducts, and a building of enormous size, which comprises four large "bays" of roofing. A separate bay is provided for each of the three furnaces, the fourth containing a ponderous hammer, which is a wonderful piece of machinery. The whole of the erections have been constructed upon the most improved principles, thus making the works the most complete, compact, and best arranged works in England. The necessary machinery and plant ples, thus making the works the most complete, compact, and best arranged works in England. The necessary machinery and plant embrace all the latest improvements and inventions, and are specially embrace all the latest improvements and inventions, and are specially adapted for the manufacture of steel by the Siemens-Martin process. On this day the first furnace was tapped by Master W. Jenkins, the son of the manager. The operation proved highly successful, the liquor running from the furnaces forming steel ingots of the best and finest quantity. Mr. Jenkins, general manager, and the whole of the officials of the company were in attendance. It is expected that the works will be in full operation in a fortnight's time, the company intending to roll every description of steel plates, &c. About 50 men will be employed in the works at the outset, but ultimately a large number of hands will be employed. The works are constructed with a view to a large extension in future. The Consett Iron Company are now in a position to compete with any similar concern in the county. In anticipation of the extension of these works this company have erected 100 additional workmen's houses lately.

REPORT FROM NORTH WALES, SALOP, AND CARDIGAN.

June 21.—Good reports come from the group of lead mines in North Cardigan, known as the Ergloedd United and the Cefn

In Denbighshire a fatal accident has occurred at a colliery be-longing to the New British Iron Company by a fall of the roof. Another fatal accident occurred at the Cefn Freestone Quarries in the same neighbourhood through the fall of a stack of stone, which buried a steam crane and its driver. A prosecution instituted by the Government Inspector against the manager of the Sandycroft Colliery last week failed, the magistrates giving the defendant the

The works of the Mersey Tunnel are proceeding rapidly and the first link of railways connecting it with the Cheshire side of the river is also inaugurated.

### TRADE IN SOUTH WALES.

TRADE IN SOUTH WALES.

June 21.—The same activity which has characterised the Steam Coal Trade during the whole of the present year still continues, and the only drawbacks at the present time are the want of increased facilities for shipment at Cardiff, and the lessened output caused by some trumpery disputes at the mines about the right of choosing a doctor. Mr. W. T. Lewis, the manager of the docks, is doing his best to deal fairly with all parties by breaking down the monopoly of the larger shippers, who "nurse the tips," so that the smaller men cannot load their vessels. Second and third rate qualities of coal now sell freely at from 10s. 9d. to 11s. per ton. The amount sent away from Cardiff last week was 128,893 tons foreign, and 18,813 coastwise; Newport, 25,500 tons foreign, and 22,787 coastwise; Swansea, 23,032 tons foreign, and 6455 coastwise.

The Iron and Steel Trades of the district are moderately well employed, but there is little profit made in consequence of the keen competition of continental makers. A parcel of 350 tons has been sent away from Cardiff, while from Newport 2360 tons have been sent to Calcutta, 1100 tons to New York, 500 tons to Montreal, and 355 tons to Sundswall. Iron ore is in slack demand, and prices remain low. Cardiff has received 7671 tons from Bilbao, and 772 tons from other places; Newport, 7379 tons from Bilbao, and 2300 tons from other places;

from other places; Newport, 7379 tons from Bilbao, and 2300 tons

Plate Trade shows some signs of improvement. In conse quence of the near approach of July 1, when the new American tariff comes into operation, orders are being given so as to time the arrival of tin-plates at New York, when the benefit of the reduction will be obtained. Good coke-mades are fetching from 16s. to 16s. 6d. per box, while charcoal-mades realise from 19s. to 20s.

## WEARDALE LEAD COMPANY.

This company, which has taken over the rich mines so long held by the Beaumont family, has been constituted with a capital of 200,000*l*., in £0,000 shares of 4*l*. each. The lead mines and smelting works are held from the Ecclesiastical Commissioners, and situate works are held from the Ecclesiastical Commissioners, and situate in Weardale and the adjoining district, and comprise an area of nearly 85 square miles. The mines have been worked for about 300 years, and have returned large sums in profits, the output for the 21 years ending 1880 having been upwards of 8000 tons per annum. They are believed to be the richest of their kind in England. The ores are said to contain upwards of 8 ozs. of silver per ton. Out of the 85 square miles a small area only has been developed, and notwithstanding that the mines have been profitably worked for many generations they are still pronounced by competent authorities to be but in their infancy. Mr. Stewart, the mineral agent of the Duke of Buccleuch, in his report says—"Nevertheless, whatever work has been done may be compared to a few patches of reclaimed ground on a vast waste; and what metal has been obtained, to samples taken from the bulk to test the quantity and quality of what remains. from the bulk to test the quantity and quality of what remains, the present returns form no index of the ultimate product of this gigantic concern; and energetic and skilfully directed work, under the auspices of all modern improvements should place the undertaking in a state as highly productive of ore as ever it has been at taking in a state as highly productive of ore as ever it has been at any other period of its history."

Capt. John Trelease thus concludes his able report:—" The dis-

Capt. John Trelease thus concludes his able report:—"The district is renowned for its mineral treasures, and will make large returns of ore in its present state of development. The crushing mills are unique, with Green's patent apparatus for classification. These mines are well supplied with machinery, smelting-works, offices, and stores; it is useless on my part to begin to enumerate the cost of the same. Free drainages generally prevail in most of the mines, which are worked by the most inexpensive method known in mining—by adit levels. Other gentlemen, of greater mining ability than myself, will report to you of the great extent of mining territory you have on the Rookhope side; there is no denying the fact that you have on the Rookhope side; there is no denying the fact that it is the best lead property in Great Britain, and that with practical management it can be very inexpensively worked, with grand prospects of success in the near future."

From the present returns large dividends are expected, and as ample funds are provided for development on capital account, it would be strange if there are not discoveries made in the course of a few months that will realise the most sanguine expectations.

"Notes on a Second Series of Experiments on the Distribution of Experiments on the Distribution of Pressure upon Flat Surfaces Perpendicularly Exposed to the Wind," by Richard H. Curtis. The results obtained in these experiments the Court.

amount on which to pay dividends. An important feature is that the Ecclesiastical Commissioners charge nothing for the mines. The payment to them of 25,000% for plant, stores, &c., is represented by a large field of machinery on the various mines, and can be looked upon as a nominal consideration.

### Original Correspondence.

#### ORGANOS GOLD MINES.

SIR,—I have perused with pleasure the short article on this mine contained in last week's Journal, and the letter by "A Satisfied Shareholder" in the previous number. The deductions made upon the telegrams recently received appear to me to be nothing more than fair—indeed, the remarks upon the subject might have been much stronger without in any way being over sanguine. The success of the Organos Mines, however, cannot be expected to give complete satisfaction to everyone, as if the condition of the market is to be believed in there must be "bears" of the shares, parties who cannot believe that there may be any exception to the long list of disappointing gold mining companies floated during the past three years. A rise in the price of the shares must necessarily affect the pockets of such people, and they are ready to take what in some pockets of such people, and they are ready to take what in some cases may be called unfair measures for keeping down prices—the sending out of circulars which, if not deliberately incorrect, at least imply that which is untrue, is one of these. Such a circular respecting the Organos Mines has recently reached me, and anything more malicious, for it is evidently personal, it has not often been

Among other things it is stated that the officials at the mine are silent as regards recent crushings; but I have been to the office and seen the telegram, and find it runs thus:—"Green," the manager, "answers permanent crushing commenced, partial clean up 60 ozs. total sold 90 ozs. Mill producing about 40 ozs. weekly." Hence, this telegram, received from a private source, simply repeats a statement by the manager, Mr. Green (who, by-the-way, would be at the mine about 300 miles from the nearest telegraph office, and could not

telegraph himself), and it may consequently be regarded as authentic and entirely reliable.

If we contrast the result now being obtained—40 ozs. weekly, or If we contrast the result now being obtained—40 ozs. weekly, or 160 ozs. per month, with the returns promised in the prospectus, they must appear highly satisfactory. I hear the prospectus promised 900 ozs. of gold per month from a crushing of 50 tons of quartz daily—say, 1000 tons monthly. But I hear that only a portion of the stamps are yet at work, and that the stamping capacity of these is only 140 tons per month. Hence, proportionally to the amount of quartz crushed the present returns of 160 ozs. per month far exceeds the promises contained in the prospectus, and establish the fact that with ordinary good management and a sufficiency of machinery the company must become a great and profitable concern. I understand the remaining stamps will soon be at work, and these, as stated in your article of last week, should enable the company to make a handsome profit. There has been considerable delay in getting the handsome profit. There has been considerable delay in getting the stamps to work, but delay seems inseparable from the erection of all mining machinery. Now, however, that the mine is making returns, it is well to remember that, according to the manager's statement of a few months ago, there is gold quartz already laid bare to the value of over 25,000*l*.; a fair amount, in view of the capital being only 15,000l.

only 15,000l.

Some remarks are made respecting the capital, which is said to be exhausted, but if the mines are now profitable it does not appear to me that this is a matter of serious consequence. And under any circumstances, I am informed, the directors do not propose pressing further the issue of debentures. Should the mine prove as profitable as it appears certain will be the case, it will become desirable, no doubt, to erect a large number—say, 100 heads of stamps—and some arrangement may have to be made for capital to do this. But this must be looking far shead—a matter to be considered a year

some arrangement may have to be made for capital to do this. But this must be looking far ahead—a matter to be considered a year hence—as the present stamps appear to be sufficient of themselves to enable the company to make large and profitable returns, and to pay a handsome dividend upon its capital.

As was pointed out in last week's Journal, a great point in favour of this company is the smallness of the capital and the cheapness of working. When it is stated that 100 heads of stamps, or even possibly double that number, and, indeed, all the machinery on the mine, can be worked by water-power, and that there are something like 1600 ft. of backs above the level of the mill and the river which drives it, these who understand mining will appreciate the impense advanthose who understand mining will appreciate the immense advan-tages enjoyed by this company's mines.

In conclusion, I would state that while naturally indignant that

"bears" or anyone else should attempt to wreck the property in which I am interested, I am still obliged to them for what they have done. I have been enabled to increase my holding in the mine cheaply, while having the satisfaction of knowing that the lowered price has to some extent had the effect of weeding out the weak holders, who simply by their absence must help to strengthen the company.—London, June 21.

A. S.

NEW CICAPRA AND MERCEDES GOLD MINING COMPANY.

NEW CICAPRA AND MERCEDES GOLD MINING COMPANY.

SIR,—My attention has been called to last week's Journal, in which, under the heading "Notices to Correspondents"—Cicapra—is the following:—"You no doubt refer to the New Cicapra, which is a distinct concern; a meeting was recently held, and a resolution to wind-up may have been passed." I shall be glad if you will state, if the New Cicapra and Mercedes Company be that referred to, that no such resolution has been passed in regard to this company and properties of sharpholders has been held. meeting of shareholders has been held,

Moorgate-street Chambers, June 21. S. J. SMITHERS, Sec.

1For remainder of Original Correspondence see this day's Supplement.]

THE TRANSVAAL AND BECHUANALAND.—The second edition of Dr.G. B. Clark's pampblet has just been issued through Messrs. Juta, Heelis, and Co., of St. Bride's Avenue, and will be read with interest by all really desirous of learning both sides of the question with regard to the Transvaal. The conclusion that most readers will arrive at is that disturbances in South Africa are at present only in arrive at is that disturbances in South Africa are at present only in their infancy, and that mistakes have been made which it will be exceedingly difficult to remedy by amicable arrangements. The state of affairs indicated by the pamphlet is anything but encouraging to those who have capital invested in South African enterprise, and more especially so to those who, having property there, are seeking British capital to develope it. It is very truly said that the present condition of the territory has been brought about by intertribal war, and the attempt of different chiefs to attain the paramount chieftainship of the tribes and the intrigues of white speculators and adventurers. Unfortunately these white speculators and adventurers are both Boers and Anglo-Saxons, and others operated the Boers and the present of interpretation of the present of the and adventurers are both Boers and Anglo-Saxons, and others op-posed to the Boers, and to the entire class veracity and integrity are altogether lunknown. It will be long before South Africa will make itself attractive to the capitalists of this country.

METEOROLOGICAL SOCIETY .- At the closing meeting METEOROLOGICAL SOCIETY.—At the closing meeting of the session on Wednesday, at the Institution of Civil Engineers, Mr. J. K. Laughton, M.A., F.R.A.S., President, in the chair,—the papers read were: 1.—"On the Structure of Ice Cloud disposed in threads, proposed to be called Cirro-filum," by the Rev. W. Clement Ley, M.A. Of the cirriform cloud, one of the most important to the weather forecaster, is that to which the author has given the name Cirro-filum. Having from the time he was 12 years of age carefully studied this cloud whenever visible, and having for the last 25 years made it the subject of minute study, he is enabled to bring forward some results which may prove of value. The author then gives first, a short account of the mode in which he was led to prosecute this study; secondly, a classification of the more recent and reliable observations; and lastly, an explanation of the principal phenomena observed. 2.—
"Notes on a Second Series of Experiments on the Distribution of

agree very closely with those of the former experiments. 3.—"On the Reduction of Wind Records," by the Hon. Ralph Abercromby, The author discusses the significance and best method of deducing The author discusses the significance and best method of deducing from anemographic records—the total quantity, the quantity from different points of the compass, the relative frequency, the mean and annual velocity, the mean velocity from different quarters, the resultant, and the mean and diurnal direction of the wind. 4.—"The Spectroscope as an Aid to Forecasting Weather," by F. W. Cory, M.R.C.S. 5.—"Note on River Temperatures as compared with Air Temperatures at Greenwich and Bremen," by Robert H. Scott, M.A., F.R.S. The author compares the results given in a recent paper by Sir G. B. Airy, on a comparison between the records of the temperature of the Thames and those of air temperature taken at Greenwich, with those published by Herr von Freeden for the temperature of the Weser as compared with that of the air at Elsslen, close to Bremen, for the 10 years, 1858–67.

Engineering and Metal Trades Exhibition.—The opening has been definitely fixed for July 5 and promises to be a great success. Mr. S. Barnett, jun., who so ably promoted the Naval Exhibition last year, is working out the present movement with the same energy and prospect of success. On Thursday evening, at the Hotel Continental, the nature of the forthcoming Exhibition was explained. It is stated that there will be over 400 exhibitors from London and the leading provincial towns. The exhibits will include articles relating to mining, easting and forging, marine engineering, railway and tram-It is stated that there will be one the shibits will include articles relating the leading provincial towns. The exhibits will include articles relating to mining, casting and forging, marine engineering, railway and tramway work, workmen's models, scientific models, and drawings by civil engineers. Hydraulics and military engineering will also constitute a feature in the Exhibition, and the show of machine tools will be one of the finest ever seen in this country. Leeds is to be largely represented, and amongst those firms that send contributions are the following:

The Leeds Forge Company, Kirkstall Forge Company, John Fowler the finest ever seen in this country. Leeds is to be largely represented, and amongst those firms that send contributions are the following:—
The Leeds Forge Company, Kirkstall Forge Company, John Fowler and Co., Whitley Partners, Greenwood and Batley, Ackroyd and Best, W. H. Baxter and Co., Armistead, Verity, and Co., Hepton and Co., and James Fraser. One of the most remarkable exhibits has been sent in by Messrs. J. Whitworth and Co., of Manchester—a hollow propeller shaft, 55 ft. in length, 18½ in. in diameter, the size of the hole being 10 in. The advantage of this shaft is that it is thoroughly forged, elastic, and is very reliable when subjected to sudden strains.

SPANISH QUICKSILVER.—The mining exhibits at the Madrid Exhibition now open demonstrate that the industry is making great progress in Spain, and with reference to the Almaden quicksilver mines the Comercio says:—"Owing to misfortunes consequent upon our political discord these mines are to a certain extent in the hands of a powerful foreign house, which collects the produce, sells it in London—monopolising that trade—and receives besides 150,000/, annually by virtue of the contract arranged with the Spanish Government in 1870."

CHESTERFIELD AND DERBYSHIRE INSTITUTE OF MINING, CIVIL AND MECHANICAL ENGINEERS.—At the annual general meeting at Nottingham, on June 14 (Mr. John Jackson, of Clay Cross, in the chair), the report of the Council showed that the number of members on March 26 was 281. The cost of printing transactions and stationery had been unprecedentedly large, amounting to 3211 8s. 9d., being greater than the previous year by about 58½ per cent. The quantity of matter published exceeded that in an ordinary volume by about the same precentage, and the occasion of the occasion of quantity of matter published exceeded that in an ordinary volume by about the same percentage, and the occasion of the excess was the issue of the Coal Dust Committee's contribution. The deficiency of subscriptions to repay the cost of the experiments had been made good by the Institute by payment of 16l. 16s. 9d.; and the bank balance had been reduced to 98l. 10s. 8d. A number of additions to the library and museum had been made, including a number of blue books and pamphlets presented by Lord Edward Cavendish, M.P.—The Chairman moved the adoption of the report, and the proposition was seconded by Mr. Oliver (Chesterfield), and carried unanimously.—The election of officers for the ensuing year resulted as follows: was seconded by Mr. Oliver (Chesterfield), and carried unanimously.—The election of officers for the ensuing year resulted as follows:—President, Lord Edward Cavendish, M.P.; vice-presidents, Mr. A. Barnes, M.P., and Messrs. C. Binns, E. Bromley, A. Carrington, J. P. Jackson (Swanwick), H. A. Allport, and R. F. Martin; councillors, T. D. Croudace, E. Eastwood, W. D. Holford, G. Howe, J. Humble, W. Oliver, W. Wilde, H. Lewis, G. Lewis, and A. W. Barnes; treasurer, Mr. E. Bromley; and secretary, Mr. W. F. Howard.—The Chairman announced that several papers would be open for discussion, the first one being by Mr. Sydney F. Walker. This dealt chiefly with the electric light and the transmission of power by electricity, dynamo-electro machines, accumulators, and the use of electricity in mines. After a discussion another paper, by Mr. T. G. Lees, on "A self-acting arrangement for unloading and loading colliery cages, Fisher's Patent."—The Chairman characterised the apparatus as very good and simple. apparatus as very good and simple.

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deep sent. or fitty, 20 to ore f tity, 20 to ore f tity, 20 to ore f HC winn before stopped or for fitter that is remarkable that is remarkable that is the pore per sent that is the pore per militime militime.

Self-Acting Lubricators.—An improved apparatus so constructed as to be applied to steam ports or inlets, the lubrication being effected by means of the condensation of the steam in the chamber or receiver containing the lubricant, has been invented by Messrs. DUBALLE and DELETTREZ, of Levallois-Perret, Seine; it is composed of a chamber fixed to the engine cylinder in any convenient manner. The shell on the cock of the lubricator is screwed to ent manner. The shell on the cock of the lubricator is screwed to the upper part of the receiver. The cock is turned so as to put the receiver into communication with the funnel of the lubricator by an orifice, that is to say, when the tap handle is turned upwards the receiver is in communication with the outer air by a conduit which permits the filling of the receiver with the lubricant. When the tap or cock is in a horizontal position the apparatus is in working order, and the lubrication is being effected because a hollowed part in the tap puts two conduits into communication, so that the steam entering through the steam conduit passes into the receiver through the other conduit and condenses in the receiver, causing the lubricant to flow in the reverse direction through the same conduits. The other conduit and condenses in the receiver, causing the lubricant to flow in the reverse direction through the same conduits. The lubricator may be emptied instantaneously by putting the conduits into communication. In this case the tap handle is turned down when the steam enters one conduit and immediately forces out all the contents of the receiver. In another form of lubricator the receiver is fed in the same way by turning the tap handle upwards whilst another handle at the lower part is also turned upwards to shut off the entry of the steam. The receiver then fills itself. The lower part of the receiver is closed by the lower tap or cock, which establishes or intercepts communication with the steam entry. On the sides of the receiver are arranged gauge glasses fixed in metal boxes by soldering. boxes by soldering.

THE PATENTS BILL .-- A deputation of patent-agents was received by Mr. Chamberlain on Thursday. The points urged were: That the head of the Patent Office should be a capable and accessible official; that, as the time of the law officers was at present so fully occupied as to impede seriously the progress of patent business brought before them, the duties proposed by the Bill to be assigned to them should be imposed upon the controlling authority of the Patent Office itself; that, as claims could often not be defined in a provisional specification, such absolute definition be, as at present, postponed to a later stage; that the question as to whether an application contains subject matter for a patent should not be a matter for the decision of the examiner; that power should be given to an applicant or patentee a mend his claims if they have been injudiciously framed; that the register of patents should be maintained in as full a form as at present; and, finally, a new clause was suggested to avoid the evil of letters patent granted to foreigners becoming invalid in consequence of the publication of their specifications prior to the grant of their Striich patents. British patents.

The West Pateley Bridge Lead Mines will hold a meeting on July 3, to consider to consider the creation of 20,000 10 per cent. preference shares of 2s. 6d. each, payable by instalments or otherwise. The 10 per cent. preference is receivable only out of profits, wise. The 10 per cent. preference is receivable only out of profits, and in such years as 10 per cent. profit is carned.

SOUTH-EAST WYNAAD ESTATES AND GOLD MINING COMPANY.—
The secretary informs us that Vice-Chancellor Bacon, on June 15, reversed his previous decision to have the company wound-up under

| The Mining Journal | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 | 1999 |

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	Mines.	Tons.	Price	per i	ton.	Purchasers.
June 19-Fo	xdale	120	£1	2	8	Quirk, Barton, & Co.
21-Va	n	130	1	8 8	6	Walker, Parker, & Co
- di	tto	20	5	11	6	ditto

### WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS, MINEOWNERS STOCK AND SHARE DEALERS &c. 1 ST MICHAEL'S ALLEY, CORNHILL, LONDON.

We have upheld, and shall always uphold, that the Cost-book System, when properly conducted and honestly looked after, is the very best system for conducting Cornish mines upon; and where there are committees in London who look after the accounts and all things incidental to the mines every month, shareholders may rely with safety upon them. As for the forgery of shares, which has been made so much of in regard to Dolcoath, the same thing has more than once happened in Limited companies, and may as easily happen again. As a rule, too, Cost-book mines pay when Limited companies fail, for the simple reason that the latter are too often heavily freighted with promotion money and vendors' shares; and half are stopped for want of means when on the point, it may be, of success. In a Cost-book mine money is only called up as it is required; and any shareholder who does not care to go on, may, as we showed a week or two ago, relinquish his shares and free himself from further liability. Again, in the year 1860, a great boon was obtained for the mining interest in the transference of shares in Cost-book mines, in which we took an active part—that a sixpenny stamp in the usual Cost-book transfer notice should transfer any amount of stock, while Limited companies have to pay an ad ralorem duty, which at times comes very heavy. At first it was proposed by the Government that 6d. should be paid on each share transferred, but Mr. Watson wrote the Chancellor of the Exchequer on this head, and received the following reply, which was published in the Mining Journal at the time:—

"Inland Revenue, Somerset House, March 6, 1860.

received the following reply, which was purely formal at the time:

"Inland Revenue, Somerset House, March 6, 1860.

"SIR,—With reference to your letter dated the 22nd ult., addressed to the Chancellor of the Exchequer on the subject of the proposed stamp duty upon 'Cost-Book Notices,' I am directed to acquaint you that it is not intended that the stamp duty should be made payable in respect of every share, but only in the notice.

"I am, &c.,

(Signed) "T. Sargent,

"To J. Y. Watson, Esq., F.G.S."

Thus in a Cost-book company: 1000l. worth of hares, or any other amount, can be transferred for 6d. It should be added that no conducted on the Cost-book System except they are in

Cornwall or Devon.

The new issue of shares at D'Eresby Mountain are fully paid up, and no further liability attaches to them.

The meeting of East Blue Hills passed off well. The committee came before the shareholders with 11671, 13s. 5d. in hand, without a single liability, while from above the adit over 2000l. worth of tin has been sold. We hope the mine will continue to make profits above the adit, which it will if the water supply for stamping does not fall short during the summer months, and the result of erecting an engine, wisely determined upon, may be to open out one of the best mines in the district. There are 160 shareholders, and shares are well held.

North Blue Hills meeting also passed off well. There is a balance in hand after paying for engine, &c., of 7831. 2s. 10d., and in a very short time the bottom of the shaft will be seen, and if the copper said to be there (by people who discovered it nearly 40 years ago) is found, the shareholders, who all came in at par, will have cause to congratulate themselves.

to congratulate themselves.

In 1881 there was an issue of 3072 shares in D'Eresby Mountain, at 1l. per share. We and others took our full proportion pro rata of these 1l. shares. But some shareholders on deceased and other accounts did not, and 706 were left on hand unissued, and it is this circumstance that has necessitated the present issue as a bonus to others at 5s. Those, therefore, who did not take up their pro rata proportion of the 1l. shares would, we apprehend, have to do so before they could apply for any of the present issue.

At the 90 west at Prince of Wales the No. 1 north lode, which is At the 90 west at Prince of wates the No. 1 north lode, which is 3 ft. wide, composed of beautiful soft prian and good patches of copper ore, is forming a junction with the Prince of Wales lode, which together are now 9 ft. wide. As great courses of ore are generally found at junctions, we hope something good will soon be found here.

Me hold over 1000 shares in Langford, and take our proportion of the unissued shares. The directors hold 1000 each. Our correspondent (indeed every shareholder) should apply for his proportion, as the money must be had, and a good discovery may soon be made. The shares were all issued originally at 10s. each without premium or promotion money; the price is very little for such a speculation.

The sale of Crebor ore (which was estimated at 1483l. 15s. 6d.) has brought 1528l. 10s. 6d. The mine has also sold 250 tons of arsenical mundic at a good price.

RESOURCES OF THE ROCKY MOUNTAINS, AND THE AUSTRALIAN GOLD FIELDS.—A party of tourists is about being formed of gentlemen to make a tour through the regions of the Rocky Mountains, to examine its vast mineral resources, and such as desire to proceed from thence to New Zealand and Australia, making a thorough practical examination of the chief gold fields of America and the Australian colonies. An important financial and practical business undertaking in connection with American and Australian mining is being inaugurated, with which the party of tourists will be associated, and it is with the object of imparting practical information and affording a pleasant opportunity of a personal inspection of the leading mining districts, as also the principal mines and the various large plants of machinery now in use for the crushing and smelting of ores, that the projectors of this interesting undertaking has determined to inaugurate the expedition. The Denver Exposition, at which a magnificent display of mineral exhibits will be on view, will be one of the great sources of attraction, and where practical information will be acquired as to the vast mineral resources of the Western States of America. To gentlemen interested in legitimate and profitable gold mining, and desirous of its more practical development, this expedition will afford an agreeable opportunity, not only of witnessing the beautiful scenery of the Rocky Mountains, New Zealand, and Australia, but of gaining practical knowledge of the various resources of the countries travelled through. Mr. Thomas Cornish, the well-known authority on gold mining, is organising the expedition. RESOURCES OF THE ROCKY MOUNTAINS, AND THE AUSTRALIAN Cornish, the well-known authority on gold mining, is organising the

MALLEABLE NICKEL-To prevent the injurious effects of the ın gre nickel after melting and casting, and which renders the metal brittle, it is necessary to incorporate in the melted nickel some sub-stance which has a strong affinity for oxygen and also for the nickel itself. Mr. Jules Garnier finds that phosphorus serves both of these itself. Mr. Jules Garnier finds that phosphorus serves both of these purposes very satisfactorily, producing effects analogous to those of carbon in iron. If the phosphorus does not exceed 3-16th of 1 per cent. the nickel is soft and very malleable; above this quantity the hardness increases at the expense of the malleability. Phosphorised nickel, when alloyed with copper, zinc, or iron, gives results which are far superior to those that are obtained from the same nickel when not phosphorised. By means of the phosphorus, Garnier has been able to alloy nickel and iron in all proportions and always to obtain soft and malleable products. The contradictions of illustrious chemists are thus explained, some saying that such alloys were brittle, others that they were malleable; the latter had alloyed the nickel to phosphorised iron.

EXPLOSIONS OF GAS IN COAL BUNKERS.—In a pamphlet bearing this title, issued through Messrs. King and Son, of Westminster, Mr. Thos. Rowan, gives a critical examination of the report of the Admiralty Committee appointed to enquire into the subject. The question is one to which Mr. Rowan has given much attention.

# MINING MACHINERY, MILLING MACHINERY

Of the MOST APPROVED AMERICAN PATTERNS.

GOLD MILLS.

The California pattern of Gold Stamp Mill is universally ccepted as the most perfect, economic, and efficient made. We have over 900 stamps in successful work in the various Western Gold Districts.

### SILVER MILLS.

Silver amalgamation in Pans is essentially an American ystem evolved after years of work on the rich silver mines Nevada.

We have over 500 Stamps, with necessary pans, settlers, coasting furnaces, &c., all of our own manufacture, at work in different silver camps of the United States, Mexico, and South America, and Phillipine Islands, Asia.

### CONCENTRATION MILLS

Of the most approved German pattern and arrangement, or with Stamps and Frue Vanner Concentrators for low grade silver ores, light in lead. We have over 20 large German pat-tern mills at work on lead, zinc, or copper ores, and numerous Vanner mills on ores never before successfully concentrated.

Mining Pumps, Cornish pattern, of the largest sizes. Hoisting Engines, from 4 h.p. up to the largest directacting engines to sink 3000 feet.

### SMELTING WORKS.

We have 80 Water Jacket Smelting Furnaces in use from 20 in. circular up to 54 in. by 60 in. for lead and silver smelting; and special High Jacket Furnaces for copper ores.

ing; and special High Jacket Furnaces for copper ores.

Engines of any size, plain slide valve, Corliss, compound Corliss,
Boilers, all sizes. Leaching Mills, Hallidie Wire Rope
Tramways. Comet Crusher, with capacity of 12 to 20 tons
per hour. White, Howell. Bruckner, and Stetefeldt
Roasting Furnaces, &c.

We have had twenty years' experience in the manufacture solely of
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all foreign parts through our New York Office, where all details of
clearance, shipment, and insurance are conducted. Our machinery is
already well known in Mexico, Peru Chili, Venezuela, Honduras and already well known in Mexico, Peru, Chili, Venezuela, Honduras, and other South American countries.

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### COAL MINES REGULATION ACT, 1872.

EXAMINATION FOR MANAGERS' CERTIFICATES OF COMPETENCY. DISTRICT UNDER THE CHARGE OF THOMAS BELL, ESC., H.M. INSPECTOR OF MINES.

NOTICE IS HEREBY GIVEN, that an EXAMINATION for MANAGERS' CERTIFICATES OF COMPETENCY, under the above-named Act, will be HELD on the 30th and 31st day of July, and CANDIDATES INTENDING TO PRESENT THEMBELVES AT SUCH EXAMINATION must, on or before the 24th day of July next, notify such intention to the Secretary of the Board of the above-mentioned District, from whom all information as to particulars can be obtained.

By order of the Board,

G. W. BARTLETT, Secretary.

ddress: Cleveland Parade, Darlington

N.B.—Persons who do not reside within the District are equally eligible for examination with those who do.

TIN SMELTER WANTED.

WANTED, a COMPETENT TIN SMELTER, thoroughly acquainted with the business, and willing to ACCEPT an APPOINTMENT on the Continent, either permanently or, if pre-

ferred, for a few months.

Apply, with copies only of testimonials, to "V. St. Honoré," care of MINING JOURNAL Office, 26, Fleet-street, London, E.C.

SITUATION WANTED AS LEADING AGENT.—The Advertiser having a practical knowledge of Pitwork, Machinery (both steam and water-power), Dialling, Surveying, &c., in all its Branches; also of Copper, Tin, Lead, and Iron Ores; is OPEN to an ENGAGEMENT as LEADING AGENT in MINING OPERATIONS at Home or Abroad. Can offer testimonials covering 17 years at one mine in Cornwall, and 11 years in Wales.

Address, Thos. GRENFELL, Post Office, Abersoch, Pwilheli, North Wales.

AN ENGINEER, who has had very extensive experience in the Designing, Constructing, and Management of Chemical and Metallurgical Works, is OPEN to an ENGAGEMENT. Special experience in the treatment of mixed ore, containing Zinc, Lead, Copper, and Silver.
Address, "J. W. C.," Morriston, R.S.O., South Wales.

A MINING ENGINEER, just returned from Guayana, is open (if favourable conditions are offered) for a RE-ENGAGEMENT in any Mining undertaking abroad. Good linguist. Highest refer-

Address, "T. M.," MINING JOURNAL Office, 26, Fleet-street, E.C.

WANTED, A SITUATION.—Fifteen years' experience in Erecting and Managing Smelting Works — Lead, Copper, Silver, and Gold. Speaks English, Welsh, French, and Spanish. Now disengaged. Highest testimonials as to character and ability. Has no objection to go abroad.

re of M. W. Humphreys, Esq., 17, Chap Garston, near Liverpool.

# TO MINE OWNERS, MANAGERS, &c.

W ANTED.—OLD, CONDEMNED, DISUSED HEMP or MANILLA, CAPSTAN, PIT, or OTHER ROPES, either round or flat. Also second-hand Mining Machinery. High price given. J. McILQUHAM, ABERYSTWYTH.

M. R. CARBONELL, Doctor of Medicine, of RIMONT (Ariège, France), holding Concession in TWO MINES—one of a fine Argentiferous Copper Vein; the other of Cobalt, Nickel, and Copper—seeks PURCHASER or PARTNER. Easy means of transport. Capital concern.

### WM. BREDEMEYER,

MINING, CONSULTING, AND CIVIL ENGINEER,

48, SECOND SOUTH STREET,
United States Mineral Surveyor for Utah and Idaho, Notary Public, Goo
Examinations, Reports on Mining Properties; Surveys Mines, Railroad
Canals, and Superintends the Workings of the same. Prepares Estimat
Plans for Opening and Working Mines. Expert on Mining Questions before Courts.

ourts, Address, P. O. Box, 1157, Salt Lake City, Utah.

IN LIQUIDATION.

THE CROESOR NEW SLATE COMPANY (LIMITED). MESSRS. WM. DEW AND SON WILL SELL, BY AUCTION, at the Sportsman Hotel, Portmadoc, Carnarvonahire, on Friday, the 29th of June, 1883, at Two o'clock P.M., all that very VALUABLE LEASEHOLD SLATE AND SLAB QUARRY

KNOWN AS THE

CROESOR QUARRY,

Situate at Llankothen, in the County of Merioneth, together with the Manager'
House, Quarrymen's Cottages, and the Mills, Barracks, and other Buildings belonging thereto for the residue of a term of 40 years from the 1st of January,
1876.

longing thereto for the residue of a term of 40 years from the 1st of January, 1876.

The sale will include all PLANT and MACHINERY, including inclines, rails, TWO STEAM ENGINES, &c., &c.

The lease comprises the slate rock under about 243 acres of land, and it was granted (in consideration of a large premium paid by the present company) on exceptionally lavourable terms. For the first 30 years of the lease there is no royalty payable, and the ground rent is only £1 is. a year. For the last 10 years a royalty of 2s. 6d, per ton is reserved, and the lease contains a covenant for renewal for a further term of 20 years at 1-12th royalty.

The Quarry is situated upon the celebrated Festiniog oid slate vein. It was worked for several years, and yielded about 200 tons a month of slate of excellent quality. There are now 12 new bargains nearly ready for operations, and a comparatively small amount expended in further developing the quarry will render it one of the most extensive and profitable in the district. The depression in the slate trade not having entirely passed away, skilled labour for the purpose of carrying on works of development may now be obtained at low wages.

There is ample tip room and abundant water power, and an easy access at cheap rates along the Crocsor Tramway to Fortmadoce, a distance of about eight miles, whence the produce can be sent by sa or by rail.

Mr. These WILLIAMS, the company's agent, will show intending purchasers over the property.

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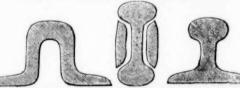
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BRITISH DIVIDEND MINES.	
Shares. Paid. Last wk. Clos. pr. Total divs. Per sh. Last p	d.
	1881
6005 Carn Brea, c, t, Illogan't	1881
4000 Craignant Bach, 1, Cardigan 5 0 0 C 5 0 0 5 0Nov.	1882
10240 Devon Gt. Consols, c, a, Tavistock* 1 1 0 0 4 3½ 4118 7 0 0 6 9 Dec.	
4296 Dolcoath, e, t, Camborne	
6400 East Pool, t, c, Illogan	
12000 Great Holway, I, Flintshire 5 0 0 51/4 5 51/4 0 5 0 0 5 0 Feb.	
15000 Great Laxey, 1, Isle of Man*† 4 C 0 171/2161/2 171/2 29 8 0 0 6 0Apr.	
6400 Green Hurth, I, Durham* 0 6 0 8 1 8 8 4 1 0 0 5 0 Nov.	
20000 Grogwinion, ?, Cardigan* 2 0 0 ¾ ¼ ¾ 0 16 4 0 1 6July	1880
9830 Gunnislake (Clitters), t, c	1882
2800 Isle of Man, I, Isle of Man*	
6000 Killifreth, t, Chacewater 4 3 6 234 234 234 0 10 0 0 1 6Dec. 1	
80000 Leadhills, i, Lanarkshire 6 0 0 2½ 2½ 2½ 1 2 0 0 4 0June 1	
400 Lieburne,* 1, Cardiganshire 18 15 0	
10000 Mellanear, c, Hayle 2 0 0 34 34 34 2 2 3 0 1 3May 1	
9000 Minera Mining Co., l, Wrexham" 5 0 0 8 7 8 69 8 2 0 1 5Feb. 1	
20000 Mining Co. of Ireland, cl, c, l* 7 0 0 24 0 0 0 2 6Jan. 1	
11829 North Hendre, I, Wales	
8146 Ditto	
2000 North Levant, s, c, St. Just 13 6 0 214 2 214 4 16 0 0 3 0Feb. 1	
4760 Penhalls, t, St. Agness 4 0 0 14 34 34 3 17 0 0 1 6Jan. 1	
12000 Phoenix United, f, c, Linkinhorne . 6 0 3 23 2 23 17 7 6 0 1 6 Apr. 1	
12000 Roman Gravels, I, Salop*	
56:00 South Caradon, c, St. Cleert 0 10 0 % 56 % Jan. 1	
6123 South Condurrow, t, c, Cambornet 6 5 6 8½ 8 8½ 10 5 0 0 6 0Apr. 1	
9000 South Darren, l, Cardigan*	
2000 West Holway, I, Flintshire 1 0 0 11/4 1 11/4 3 1 0 0 1 0 Oct. 1 6000 West Basset, c, Illogan 16	
6000 West Kitty, t, St. Agnes 0 12 0 14 13 131/ 0 17 0 0 9 0Mar. 1	
12000 Wheal Crebor, c, Tavistock	
1024 Wheal Eliza Consols, t, St. Austell 18 0 0 41/2 4 41/2 54 10 0 1 0 0Aug. 1	
6000 Wheal Grenville, t, Camborne 15 0 0 64 6 64 1 12 6 0 5 0 Sept. 1	
4295 Wheal Kitty, t, St. Agnes 5	
3000 Wheal Peevor, t, Redruth 10 1 0 44 45 5 8 13 6 0 4 0 Mar. 1	
FOREIGN DIVIDEND MINES	
FOREIGN DIVIDEND MINES	

	r o marain					****						
		2 0	0	174	15% 1	%	2		0	2	0Apr.	1883
1 30000	Almada and Tirito Consol., s*†	1 0	0	3/4	3/8	3/4	0	6 3	0	1	0May	1876
	Australian, c, South Australiat	7 7	6	31/2	3 3	16	1	7 6	0	2	0 Aug.	1882
15000	Birdseye Creek, g, California	. 0	0	11/2	11/4 13	16	1	4 0	0	3	0Dec.	1882
	Brateberg, * c, Norway	2 0	0	214		1/4	0		0	2	0Feb.	1883
	California, g, Colorado	1 0	0	13/10		Ma	0		0	1		1883
20000	Cape Copper Mining,"   South Africa	8 0		3xd b.			53		2	0		
		5 0	0	3		1/2	0 1		0	1	0May	
	Copiapo, c, Chili" (£4 shares)†	3 10	0		31/4 31/4		2		0	1	6June	
70000		2 10	0		11/8 1		3		0	2	0Mar.	
2000	EngAus., g, Viet.* pref. (20000 o.)	1 0	0		-,-	***	0		0	3	8Apr.	1882
25000	Fortuna, 1, Spain*t	2 0	0	31/4	3 3		8	4 9	0	2	9Apr.	1883
		2 0	0		134				0	1		1883
	Henriett, * 1, Leadville, Colorado	1 0	0		-/4		0		0	0	5Feb.	1883
	La Plata, s-l, Leadvillet	2 0	0		1 1%		0	12 11	0	1		1882
	Linares, I, Spain*†	3 0	0		31/4 4		19	3 10				
	Marbella Iron Ore, *, Spain 10	0	0		416 5		0		0			
	Mason & Barry c, Portugal 10		0		41/4 15		2 1		0		0May	
	New Quebrada, c, Venezuelat 5		0		416 5		0		0		6Aug.	
1000	Ditto, Debentures100			103			-	6 per				1002
	Panulcillo, c, Ohili*† 4	0	0	61/2	614 7		11		0		0Apr.	1802
25000	Pitangui, g, Brazil (in. 6000 £1 pd). 0		0		-/-	***	0		0	ĭ	0Sept.	
	Pontgibaud, s-1, Francet 20			12	10 12			1 10.			4Dec.	
	Port Phillip, g, Clunes*† (£2 shares)		0		1/16 3/		11		0			
60000	Rara Fortuna, s, Argent. Republic.	1 0	0				0		0	1	0July	
	Richmond Consol., s, Nevada*† 5	5 0	0	714	7% 73	V4			0		0May	
	Rio Tinto, *c, Mortgage Bds., Huelva.100			02				per			July	
225000			0	22xd	21 22	2		18 0			0May	
	Santa Barbara, g, Brazil	0 10	0				0 1	12 9	0			
	Scottish-Australian Mining Co.*1	1 0	0	236	21/8 23			15 p.				1883
80000	Ditto, New 0		0	136	11/0 1	14		15 p.				1883
	Bierra Buttes, g, California*1 2		0		11/6 13		2	5 0.				1883
40625	Ditto, Plumas Eureka 2		0		134 13	4	2 1	8 0.	0	2		1883
	St. John del Rey" 1 (£5 Stock and multi	ple	dealt	(n)	100 12	0					year,June	
	Tambracherry, g, Wynaad 1		0	34	34 36					0	6Aug.	
91896	Tharsis, * c, sul, Spain (31100 s. 81.p.) † 10	0	0				34		2	15		1883
	Tolima, g,s, Colombia (A & Bshares) 5		0	7	634 7	***	2 1		0	5	0Mar.	
	Victoria" (London), g, Australia 1		0			***		3 10.		0	8Feb.	
	Victorine (Nevada, U.S.) Deb. Bds 1	0	0			***			0	0	6June	
	Western Andes, s, Colombia 5		0		5 6	***	3 1		0	2	6Mar.	
	W. Prussian (5500 pref. sh. £10 pd.) 10		0		9 10				0	8		1881
	Yorke Pen., c, South Aust. Pref.t 1				36 11				0	3		1882
	6 Have made calls					_		-		-		
	7 Mayo made carre	91110	o ins	P WILLIAM	onu w	as pa	-419					

		200			
NON-DIVIDEND BRITI	SI	I			1
Shares.	i	Parid	. La	st wk. Clos pr.	Shares.
25000 Aberduna, l, Denbigh 3000 Alston United, l, Oumberland 12000 Anderton, t, c, t, Devonshire 12000 Assheton, l, Carnaryonshire	. 1	1 10	0	114 1 114	25000 N
30000 Aiston United, * 1, Cumberland		1 0	0		12000 1
12000 Anderton, t, c, l, Devonshire		1 0	U	1% 1 1%	50000 7
12000 Assheton, !, Carnaryonshire*		5 0	0		
12000 Bedford Unit.,* c, Tavis.(£1 liab.) 30000 Bodidris,* l, bl, Denbighshire 10000 Brada, * l, Isle of Man	٠,	14	0	18/ 19/ 18/	6000 N
30000 Rodidele # / A/ Dephiabelia		1 0	0	1% 136 156	2936 N
10000 Brade # / Tale of Man	٠.		0		40000 2
30000 British, **s-l, bl, Wrexham		0	0		40000 C
30000 British, s-t, ot, wrexham		0		* % % 1%1% 1% % % %	80000 C
30000 Beuno Consols, s-t, Flintshire		1 0	0	13611/ 11/4	60000 C
20000 Bwich United,* 1, Cardigan	, 1	1 0	0	14 1/2 1/4	12000 P
12000 Collacombe Consols, c. bl. Lamerton		2	6	5/19 3/10 3/10 13/2 13/6 13/4 3/6 3/6 3/6 13/6 3/6 13/6	45000 P
50000 Carn Camborne, * t. c. Camborne		0	0	12 1/2 1/2	7500 F
20000 Carnaryon * c	- 1	0	0	34 14 34	6000 P
37500 Carnaryonshire Cons.,* & Llanrwst.		0	0	11/6 76 11/6	12000 P
6000 Cathedral, c. t. Gwennan		3	0	178 78 178	6000 P
6600 Cathedral, c, t, Gwennap 20000 Central Foxdale, l, Isle of Man			6	1 74 1	20000 P
25000 Coed-y-Fedw&Pant-y-Buarth.* 1		17	6	13/ 17/ 17/	12000 P
25006 Coed-y-Fedw&Pant-y-Buarth,* 1 2450 Cook's Kitchen, t, Illogant	30	0	0	136 11/6 13/6 30271/4 30	15000 F
10000 Cornwall Great Cons * (4500 issued)	31		3	3027 1/4 30	12000 P
30000 Creiglog * 1 M Dephighshire		0	0		2000 P
odoo Creigiog, t, ot, Denbighshire		17	0	36 36 36 36 36 36	10000 P
30000 Creigiog, * I, bl, Denbighshire 6400 Crook Burn, * I, Cumberland		17	0		
45000 D'Eresby Mountain, l, bl, Llanrwst.	0	10	0	14 1 14	10000 P
12000 Dorment # / Tumbara		0	0	1% 1 1%	18000 F
60000 Devon Friendship, *c. ars. Tavistock	1	0	0	69 48. 68.	6000 P
12000 Devon Great United* (21 shares)	1	5	0	14 14 14	12000 P
60000 Devon Friendship,*c, ars, Tavistock 12000 Devon Great United* (2l. shares) 50000 Drakewalls,*t, c Calstock	i	15	0	14 14 14 34 14 34	36000 R
12000 East Rive Hills, t. St. Agnes	1		0		30000 B
6000 East Rotallack & St. Inst.		5	0	88 1 36 156136 156	50000 B
6000 East Botallack, t, St. Just	- 1	0	0	1%1% 1% % % % % % %	40000 B
6144 East Caradon, c, St. Cleer ]	4	19	U	76 14 76 76 14 76 76 14 76 24 2 214	6000 B
4000 East Chiverton, 2, Perranzabuloe	10	17	3	1/4 1/4 1/4	42000 B
30000 E. Craven Moor, 1. Pateley Bridge	1	0	0	76 74 76 24 2 2 2 4	5000 B
15000 East Devon Cons., * c, Buckfastigh.	2	0	V	214 2 214	6000 B
30000 East Herodsfoot, s-l, Liskeard	1	0	0	1 1/4 1	6000 B
20000 East Long Rake, " I, Wales	1	. 0	0	1 4 1 114 1 114 56 14 56	2043 8
25500 East Roman Gravels, * 1, Salop	1	0	2	56 36 56	6000 8
100 East Tregembo, t, c, Marazion	5	0	0	1	40000 T
18000 East Van, I, Liar idloes*	5	0	0		110000 T
2048 East Whea' Lovell, t, Helston	17	8	6	14 14 14	12000 T
100000 East Wheal Rose, * s-1. Newlyn East	1	0	0	14 34 14 36 34 1	6000 T
12000 East Blue Hills, t, 8t. Agnes 6000 East Blue Hills, t, 8t. Agnes 6000 East Botallack, t, 8t. Just 6144 East Caradon, c, 8t. Oleer 4000 East Chiverton, t, Perenxabulos 30000 E. Craven Moor, t. Pateley Bridge 15000 East Devon Cons., c, Juscifastigh, 30000 East Devon Cons., c, Marshall 20000 East Herodstot, c+t, Liskeard 20000 East Bong Rake, t, Wales 25500 East Roman Gravels, t, Salop 100 East Yan, t, Liar.Idices* 2048 East Whea! Lovell, t, Heiston 10000 East Whea! Lovell, t, Heiston 10000 East Whea! Lovell, t, Carden (1000 sh iss)			0		
12000 Gawton, *c. Tavistock	3	0	0	114 11/ 11/4	50000 T
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12500 Frongoch, * I, Cardgn (11000 sh. iss.) 12500 Frongoch, * I, Cardgn (11000 sh. iss.) 12000 Gawton, * c, Tavistock 12000 Gawton, * c, Tavistock 12000 Gawton, * c, Tavistock 12000 Godord, * I, b, Carnarvon 12000 Godord, * I, b, Carnarvon 12000 Goginan, * I, Cardiganshire 125006 Goodevere, t, St. Oleer 125006 Goodevere, t, St. Oleer 125006 Gorsed and Merllyn Con., I, Flint, 12000 Great West Chiverton, I, St. Agnes, 12000 Great West Chiverton, I, St. Agnes, 12000 Great West Chiverton, I, St. Agnes, 12000 Gwdrn-y-Myndd, * st, Flint(pref.) 12000 Gwdrn-y-Myndd, * st, Flint(pref.) 12000 Gwdrn-y-Myndd, * st, Flint(pref.) 12000 Herodsfoot, I, near Liskeard 12000 Kirkmichael, * I (2000 unlessed) 12000 Kirkmichael, * I (2000 unlessed) 12000 Kirkmichael, * I, Canarmon 12000 Lady Ann, * s- t, Linarmon 12000 Lady Ann, * s- t, Linarmon 12000 Lady Ann, * s- t, Linkinhornef 12000 Marke Valley, c, Linkinhornef 12000 Marke Valley, c, Linkinhornef 12000 Mona, * c, Anglesea. 120000 Mona, * c, Anglesea.	01	on. t	ou.]		60000 Tr
10000 Goddards. L. b. Carnaryon	1	0	0	11/6 76 1/6	8000 T
10000 Goddards, t, o, Carnarvon	1	0	0	116 36 116	1000 V
32000 Goginan, 1, Cardiganshire	1	9	0	3/8 5/8 7/6	8000 V
25000 Goodevere, t, St. Oleer	1	0	0	1% 1 1%	2000 V
8500 Gorsedd and Merllyn Con., i, Flint.	2	10	0	3 21/4 3	15000 V
20000 Great Dyliffe* (10000 sh. issued)	1	0	0		12000 W
6000 Great West Chiverton, I, St. Agnes.	0	5	0	36 36 36	12000 W
6000 Great Wheal Worthy, t, Cornwall	1	0	0		3000 W
10000 Gwern-y-Mynydd, *s-1, Flint(pref.)	4	0	0	11/8 5/8 7/8	12000 W
70000 Gwydyr Amal. 1, bl, Carnarvon	1	0	0	-	10240 W
12000 Herodsfoot, I, near Liskeardt	1	0	0	6s 4s. 6s.	10000 W
18000 Hingston Down, c, Calstock*t	0	13	0	14 1/4 1/4	20000 W
20000 Kirkmichael, * 1 (2000 unissued)	1	0	0		3000 W
25000 Kit Hill Gt. Cons. *c. ars-m. (21, sh.)	0	17	6	3/8 1/18 3/8	20000 W
15000 Lady Ann, * s-l, Llanarmon	1	0	0		12000 W
25000 Langford, * s. c. Callington	0	10	0	36 36 36	6000 W
15000 Llandegla, * l. Wales	1	0	0	- ··· /• /s	5190 W
5120 Lovell, t, Wendron	0	16	0	36 36 36	512 W
9000 Marke Valley, c, Linkinhorne!	7	7	0	1 34 1	2048 W
6000 Medlyn Moor, t. Wendron	á	15	10	74	3000 W
8000 Mona,* c, Anglesea	5	0	0	A1/ A A1/	2400 W
20000 Mona Consols, * c. Anglesea	1	Õ	2	416 4 416 116 1 116	6000 W
15000 Monkstown, * man, Devon	9	o	0	4½ 4 4½ 1¼ 1 1½ 2½ 2 2½	6144 W
20000 Mostyn Consols, * s-l. Flint.	:	Ö	0	41/ 4 41/	3000 W
12000 Morfa Du, z, g, s, Anglesea*		ő	0	2¼ 2 2¼ 4¼ 4 4¼ ½ 36 36 ¼ 36 36	50000 W
80000 Mounts Bay, c, t, Breage	•	0	0	% 36 36 % 36 36	12000 W
6144 Mount Carbis, t. c. Redruth			0	2 3 78 75	2585 W
12000 Now Caradan a St Class	A	10	U	2 1 2	2000 11
8000 Mona, * c, Anglesea	0	5	0	8s 6s. 8s.	30300 W
8000 New Dolcoath, t, c, Camborne*	3	10	U	379 479 376	50000 W
00000 New Great Wheat Vor. t. Breage	3	0	0		15000 W
10000 New Helmback T. Vor, t, Breage	0	10	0		12288 W
10000 New Holmbush, * t, c, Callington	3	0	0		12000 W
6000 New Kitty, t, St. Agnes	0	18	U	214 11/4 21/4	25000 W
15000 New Redmoor, * rar, Callington	1	5	0		12000 W
17500 New Terras, * t, St. Austell	2	0	0	214 2 214	· 2000 W
3500 NewTincroft, * t, Lelant	6	0	0		30000 W
12000 New Trumpet,* t, Wendron	1	0	0	154 136 156	8000 · W
81000 New Van Cons. & Glyn, *:,	1	0	0	36 36 36	4096 W
12000 New West Caradon, c, Liskeard	0	4	6	% % % % % %	60000 Ye
3000 New Wheal Peevor, t, Redruth	0	10	0		4000 Y
35000 New Wye Valley, I, Montgomery."	1	0	U	1 1/4 1	
12000 North Blue Hills, t, St. Agnes	0	2	6	38 28. 34.	bl, b
5328 North Busy, t, c, Scorrier I	1	14	0	36 36 36	, -
12000 New Trumpet, " t, Wendron	1	0	0		

	NON-DIVIDEND MINES-	-con	tinn	ed.		
Stare	10.	Paid.	La	st wk. c	w	
2500		1 (	0	1	708	pr.
****	MORED MERODSIONE, I. LARRESTO	0 13			75	1
5000	North Molton, * c, mn, t, Devon	1 0	0	-	28	×
6000	North Penstruthal, t, c, Gwennap	2 15	6	3%		
2936	North Treskerby, c, St. Agnes	1 0			34	74
8000	Northern, 1, Durham	8 17	10			
40000	Okel Tor, t, c, a, Calstock	1 0	V			
80000	Old Shepherds s-1, Cornwall	1 0	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21	
12000	Owen Vean & Tregur., * t, c, Marazion Pandora, * t, Carnarvon. Parys Corporation, * c, Angleses Pateley Bridge, t, Yorkshire Pedn-an-drea, t, Redruth. Pelyn Wood, c, Lanivery Pennant, t, bar, North Waies* Penegarreg, t, Carmartheushire Pen-yr-Orsedd, * t, Flintshire Perran Consols, * s-t. Perran Wheal Alfred, c. Potcrebo, c, Crowan	: 0	U	114	78	.74
45000	Pandora, * 1, Carnaryon	2 0	0	4	78	1 14
	Parys Corporation, c, Anglesea	1 0	U	69.	4	*
7500 6000	Pateley Bridge, I, Yorkshire			_	78.	60,
12000	Pedn-an-drea, t, Redruth	3 15	0	11/4	74	
	Pelyn Wood, c, Lamvery	0 2		.36	36	11/
20000	Pennant, t, bar, North Wales"	5 0	U	5	41/	5
12000	Penegarreg, t, Carmartheushire			1141	1/3	0
15000	Pen-yr-Orsedd, 1, Flintshire	1 0	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14	1.0
12000	Perran Consols, s-t	1 0	U	11/4	78	X
2000	Petran wheat Alfred, c	0 2	0	36	1 1/8	1 36
10000	Polerebo, t, Crowan	1 10	6	2	1%	28
10000	Port Nicel See As 1	1 5	9	78	36	2
18000	Fort Migel Syn, s-t, Carnar. (4000 18.)	0 15	U	1	1/4	78
6000	Pr. Fatrick, 5-1, (als.12000 pr.10 p.c)	1 0			74	
12000	Prince Moyal, t, c, s-t, St. Agnes	1 0	0	-		
36000	Puscell United # a Towistook	1 2		34	36	21
30000	Perran Wheal Alfred, c Polcrebo, f, Crowan	0 15	Q	% %	34	23
50000	Shelsin # / L/ White-	1 0		14	ic	28
40000	Sortridge to Homebuldes	1 0 10	0	15/161 38	3/4	74
6000	South Carbie t a Padanth	1 0		38	28.	710
42000	So Davon Unit # a Problematical	0 10	U	4/31	16 1	156
5000	South Delcoath & t Illegen	1 0		34	X	32
6000	South Penstruthal to Gwenner	0 19	0		3/4	78
6000	South Tolearne t c Cambonne	2 19	0	1%	36	17%
2043	South Wheal Crofty, c, Illogan	5 11	0	972 4	1/4	512
6000	South Wheal Frances t Illogant		0	0 7	-	712
40000	Tamar. s.l. Rearalston*	9 14	4		9	5% 7% 9%
110000	Russell United, *c, Tavistock Silver Hill, *Callington Sinclair, *i, bi, *Whitord South Garbis, *t, e, Redruth So. Devon Unit., *c, Buckfastleigh South Darbosth, e, *t, Rilgan South Penstruthal, *t, e, Gwennap South Penstruthal, *t, e, Gwennap South Wheal Crofty, e, Illogan South Wheal Frances, *t, Illogan Tamar, *s', Bearaiston* Tamar, *s', Bearaiston* Trebartha Lemarne, *t, Northill		V	114		11/4
12000	Trebartha Lemarne, t. Northill	0 4	U	!	16	1
	Tregembo, t, c, Cornwall	3 10	9		8	16
50000	Tregontrees and Old Polgooth Con	1 0	0	770 4	1 4	14
100000	Tregontrees and Old Polgooth Con Tregontrees and Old Polgooth Con Tresavean, *t, c, Gwennap Trevaren United, *t, Cornwall Trevaunance, t, \$t, Agnes Vaughan, *t, Cardiganshire	1 0	0	1 2/61	1/4	1
60000	Trevarren United,* t, Cornwall	i	0	10	8	3/4
8000	Trevaunance, t, St, Agnes	3	0	3/8 1	10	11%
1000	Vaughan, * 1, Cardiganshire 1	0 0	0	9 4	16	3
8000	Victor, * 1, Cilcen, Flintshire	14	0			
	Violet Seton, c, Camborne 1 Vincent, t, Altarnun		0			
15000	Vincent, t, Altarnun	1 0	0			
12000	West Assheton, I, Carnarvon	0 1	0			
12000	West Caradon c, St. Cleer	8 (	3	3/4	11	
3000	W. Craven Moor, & Pateley Brdge* 1	0 0	0	-	16	14
12000	West Crebor, c, Tavistock	0 10	6	88	Ss. 8	ða.
10240	West Devon Consols, c, Calstock	2		36	6	38,
10000	West Godolphin, t, c, Breage	1 2	6		12	78
20000	West Lisburne, t, Cardigan	0		114 1		ix
3000	West Mary Ann, I, Menheniot	13	U	-		174
20000	W. Pateley Bridge, I, Yorkshire	0	U			
12000	West Polynon to St. American	5	0	114 1		11/
6000 5190	Vincent,* * * * * * * * * * * * * * * * * * *	7	0	136 1	14	116
	West Tolque e Redeuths	14	0	114 1	1	1
512 2048	West Wheal Frances t Illegent	0	0	A 1	1	13
3000	West Wheal Pegyor t Radwith 35	18	3	0 2		3
2400	West Wheal Seton, c. Cambornett	0	0	0 9	16	5
6000	Wheal Agar, c. Illogan!	0	U.s.	15 1	4	15
6144	Wheal Rasset, c. Illogan!	6	0	6 5	1/3	16
3000	Wheal Boys, t. Redruth	9	0	6 5	1/2	6
50000	Wheal Castle, * c. t. St. Just	0		-		
12000	Wheal Coates, t, St. Agnes	7	0	11/4 1	1/10	11/8
2585	W.Comf., & No. Tres., t. c. Gwennan		0	114 1	16	14
30300	West Wheal Seton, c, Camborne 15. 18 Wheal Basset, c, Illogan 1	7 2 0	U	178 1	16	11/6
50000	Wheal Elizabeth, * t, Cornwall	0	0	13/8	1	1/6
15000	Wheal George, * 1, bl, Carnaryon	Ö	0			
12288	Wheal Jane, t, Keal	14	0	36 5	,	
12000	Wheal Jewell, c, St. Hilary 1	0	6	46 1	4	78
25000	Wh. Hony and Trelawny, s-1, Lisk.	0	0	13413	2 ,	74 1/
12000	Wheal Lusky, t, Callington	3	0	16	4	3
2000	Wheal Owles, t, St. Just	3	0	)	7	78
30000	Wheal George, "i, bi, Oarnarvon 1 Wheal Jane, t, Kea;	0	0	11413	4	114
8000	Wheal Sisters, t, Lelant 3		U	1% 1	. 1	16
4096	Wheal Sisters, t, Leiant	19	0	3 1/2 3		3%
60000	Yeoland Consols, t, Devonshire		6	1 5	6	1
4000	Ystwith, * 1, Cardigan	0	0	3/8 1	10	36

bl, blende; c, copper; g, gold; l, lead; s, silver; sl, slate
 s-l, silver-lead; l, tin; z, zinc; l, tron; a, arsenic.
 \*Limited Liability Companies; † quoted on the Stock Exchange
 I have paid dividends.

## NON-DIVIDEND FOREIGN MINES; FOREIGN AND MISCELLANEOUS STOCKS; TRAMWAYS; INSURANCE COMPANIES; GAS, IRON AND COAL, WAGON COMPANIES, &c.

	NON-DIVIDEND FOREIGN	MI	NES	NON
Shares			d. Clos. pr.	Share. 34022
150000 64880 12000 80000	Akankoo,* g, Gold Cst.(100000 iss.) Anglo-African,*d, Kimberley,† Arendal, c, Norway Asia Minor,*s-l, Lidjessy, Sivas		0 2 3	120000 50000 250000 200000 107363
40000 200000 18000 10000	Brazilian, g,* Brazil British Australian,*g, N. So. Wales Broadway,*g, California Buena Ventura,* l, Spain (fy.pd)	5 0 2	0	100000 50000 100000 43174
30000 15000 82500 223000 600000 106000 108749 75000 68000	Callao Bis, *g, Venesueia Canada, *g Canadian, c, sul, *Canada* Central Jagersfontein Diamond* Cherambadi (Wynaad) District, *g. Chie, *g, Venezuela Chontales, g, s, Nicar.*† (98000 iss) Colar, *g, Mysore Colombian Hydraulic, g, Colombia Cootacovil, *g, Wynaad	1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 56 76 0 56 76 0 32 1	50000 200000 120000 100000 100000 80000 75000 140000
120000 100000 75000 100000 125000	Devala Central, * g, Wynaad Devala Moyar, * g, Wynaad† Devala Provident, * g, Wynaad† Dingley Dell, * g, Devala, India Don Pedro North del Rey*	1 0 10 1 0 1 0 1 0	0 1/4 1/4	Insue. 50000
100000	Eberhardt, s, Nevada*† Eureka,* s, Nevada Exchequer, g, s, California*† Flagstaff District,* s.g. Utah	1 6	0 1/16 %/16	10000 50000 550000 50000
85000 140000 250000 75000	Gold Coast,* g, Wassau	1 0	0 1 11/4	27500 13453 100000 49626
120000	Hoover Hill, g, North Carolina Hultafall, l, bl, Orebre, Sweden .	1 0	0 3/8 3/	40000
400000 840000 50000 150000 100000	Indian Consolidated," g	1 0 1 0 1 0 1 0 1 0 1 0	0 1/6 1/6 0 1/6 1/6 0 1/16 1/16 0 1/16 1/16	50000 10000 50000 50000 40000 40000
100000 100000	Javali, g, Nicaragua*  Kapanga,* g, New Zealand  Kohinoor,* s, Colorado  Londen and California, g*†1	2 0	0 1 11/16	200000 100000 200000 50000
135000 100000 9000 50000 35000	Mairas, g, Mysore	1 0 0 0 1 0 1 0	0 0 0 0 0 1/4 1/4	135000 4000 10000 40640 50000
75000 78500 87000	N. Gold Run, "Avd, Cal. (& 23200 pref	1 0	0 21/4 23/4	
200000	Norway, c, Halsönön and Radön. Nouv. Monde, g, Ven. (en com.)†. Nundydroog, g, Mysore	1 0	0 3/16 1/16	
160000 125000 3000 16000 20000	Olathe, * s-i, Leadville, Colorado Ooregum, * g, Mysore Oregon, g, Oregon, U.S. (prf. sh.) Organes, * g, Colombia Orita, * g, Colombia	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 6 013/2 2	Shares, 10 A 10 I 5 A 23 A 5 I
49030	Pierre d'Or, *g, Spain Pierrefitte* (20000 pref.) Placerville, g, q, California Potosi, *g, Venexuela†	1 0 1 0	0 0 0 0 56 76	5 H 5 I 10 J 10 I 1 N
90000	Ravensciiff, g, N. Zind; c, S. Aust, Rhodes Reef, g, Wynaad; Rico, s, Colorado (non passassable)	1 0	0 34 34	Stk. 8 Stk. 1
2500 100000 25800	Rico, s, Colorado (non. assessable). Bio Grande do Bul* (and 31,000 pref.) Rossa Grande. g, Brazil*† (£1 sh.). Ruby and Dunderberg, g, Nev.*†	5 0	0	8tk. 1 8tk. 1 6 8

Shares.	Pa	id. C	los. pr.
24022 San Pedro, *c, Chill  20000 Santa Cruz, *(ex. 10z. retd. cap.)  25000 Sentein, * s-t, bi, Ariège, France  250000 Silver Peak, *', Colorado  250000 Silver Peak, *', Colorado  250000 Silver Peak, *', Colorado  250000 South-East Wynnad, g, India†  250000 Tannis, *s-t, c, Germ.(± 100,000 pt.)  250000 Tannis, *s-t, c, Germ.(± 100,000 pt.)  250000 Victoria, *g, Venezuela  250000 Victoria, *g, Venezuela  250000 Went Fritino & Boliv., *g, Colombis  250000 West Fritino & Boliv., *g, Colombis  250000 West Fritino & Boliv., *g, Colombis  250000 Went All Perseverance, *t g  250000 Wynnad District, *g, India  250000 Wynnad Perseverance, *t g  25000 Yube Peninsula, c, So, Australia†	1 0 1 0 1 0 1 0 1 0 29 10 2 1 0 1 0	0 0	1/16 3/1 1/1613/16 2/1613/16

rasue,		ires.	Pd.	Clos.	277
50000	100	Alliance British and Foreign	11	36	37
10000	100	Ditto, Marine	90	21	22
30000	×0	British and Foreign Marine [L].	4	21	22
550000	50	Commercial Union	5	19	20
50000	50	Engle	5	534	634
5000	20	Globe Marine [L]	11	14	1 /4
27500	100	Imperial Life	10	99	24
13453	100	Indemnity Marina	60	15	16
100000	10	Lion Fire [L]			40
49626	20	Lion Fire [L]	9	23	
25862	25	London	191/	67	5.0
40000	25	London and Lancashire Fire	21/	01	411
50000	20	London and Provincial Marine	-79	43/	7.79
10000		Marine	** ***	0714	2014
50000	10	Merchants' Marine	10	2172	2079
50000	10	Maritimes Marino	*	****	1 29
40000	50	Maritime North British and Mercantile	2	514	534
	100	North British and Mercantile	874	24	26
40000	200	Northern	10	45	97
40000	20	Ocean Marine	5	6	636
200000	-	Phœnix	-	245	255
		Queen	1	254	234
100000	10	Railway Passengers	298	634	734
200000		Rock Life	36	734	834
50000		Sea(ex div.)	2	314	334
135000		Lancashire	2		636
4000		Standard Marine	4	1	136
10000	20	Thames and Mersey Marine [L].	2	1056	1034
40640	20	Union Marine, Liverpool [L]	314	434	5
50000	20	Universal Marine [L]	3	8	036
		and the fact that the fact the fact that the fact that the fact that the fact that the	- 101	_	-/-

	MISCELLANEO	U	8.			
Share		des	ď.		Pric	
10	Anglo-American Brush	7	0	***	3%	4
	Ditto do 1	0	0		63	756
- 5	Australasian Electric	3	0		36	36
23	Australian Agricultural 2	1	10	***	78	80
5	Brush of Scotland	2 1	10		34	34
5	Hammond Elect. L. & P. Sup.	2 1	10	***	234	334
5	Indian and Oriental Electric	2	0	***		-
10	John Vernon Hope & Co	5	0	***	534	534
10	Ditto, preference 1	9	0	000	10%	11
1	Maxim Weston Electric	1	0	080	3.4	36
	Pilsen Joel Electric	2	0	***	/*	
Btk.	Scottish Australian Invt. Co. 10	0	0	***	215	225
	Ditto New Ordinary 5	0	0	***	107	112
	Ditto 5 per c. guar. pref10	0	0	***	130	125
	Ditto 5 per c. guar. pref 100	0	0		110	115
6	Swan United Electric	2	0	***	136	134
	Zoedone [L]	1	0	***	3/8	32

hares. Company.	D	nid.		D	ice.	
2100 Abbot, John, and Co [L]	£ 75	0		17	100.	
5 Alltami Colliery Co. [L]			***			
100 Ashbury Co. [L] (new)	. 90	0	***	30	3234	
3 Bagnall, John, and Sons [L]		0			0-/3	
10 Benhar Coal Co. [L]	. 10	-	***			
10 Bilbao River& Cantabrian R.Co	. 10	0	***	5	61/	
20 Bolckow, Vaughan, & Co. [L]	19	0	***	12	51/4	
50 Brown, Bailey, and Dixon [L	40	ő	***	14	1214	
100 Brown, John, and Co. [L]	75	Ö	***	61	€2	
100 Cammell and Co. [L]	00	-				
20 Cannock & Huntington Coal[L	80	0	***	69	6916	
10 Central Swedish Iron &Stl.[L	10	0	***	10%	10	die
50 Charlton Iron Co. [L]	50	0	***			
50 Chatterley Iron Co. [L]	50	ő	***	814	9	
10 Chillington Iron Co. [L]	10	0	***	134	136	
10 Consett Iron Co. [L]	. 7	10	***	24	26	
1 Consett Spanish Ore [L]	i	0	***	2	234	
20 Darlington Iron Co. [L]	10			276	3	
50 Davy Brothers [L]	22	10	***	4/8		-
92 Fisher Vale Co FF3		-	***	-	434	pm
23 Ebbw Vale Co. [L]	20	0		8	814	
8 Genl. Mining Ass. [L] (ful.pd.	8	0	***	51/2	6	
50 Knowles, Andrew, and Co. [L	25	0	***	814	834	
20 Llynvi and Tondu [L]	20	0	***	556	5 3%	
10 Lydney & Wigpool Iron Ore [L 10 Midland Iron Co. [L]	9	12	***	. 36	11/4	
10 Monkland Iron & Coal Co. [L	10	0	***	11/6	2	pm
4 Mwyndy Iron Ore [L]	3	15	***	20	97	
100 Nant-y-Glo & Blaina (Sp.c. prf.	100	0	***	51 51	53	
3 Nerbudda Coal and Iron [L]	9	14	***	11/6	134	
10 Newport Abercarn Coal Co. [L.	10	0	***	834	9 4	
35 Palmer's Shipbldg. & Iron [L	35	0		27 1/4	2734	
100 Parkgate Iron Co. [L]	65	0	***	7136	7316	
20 Patent Nut and Bolt [L]	14	o		24%	24 14	
50 Pearson and Knowles, A	50	0	***	4236	45	
20 Pelsail Coal and Iron [L]	20	0		10%	1114	
5 Rhymney Iron Co. [L]	5	0	***	1	11/4	
10 Sandwell Park Colliery Co. [L.	10	0		1134	1234	
100 Shotts Iron Co. [L]	100	0	***	4216	45	
25 Sheepbridge Iron and Coal [L	20	0		836	9	
50 Silkstone & Dodw. Cl. & Iron [L]	45	0	***			
50 Somorrostro Iron Co. [L] 100 Staveley Iron and Coal Co. [L]	50	0	***	227/		
		0		6234	65	
5 Teesside Iron & Engine Works	5	0		134	10%	
50 Tredegar Iron and Coal, A [L]	30	0	***		27	
25 Ditto ditto B	25	ő	***		20	
10 Vancouver Coal [L]	6	Ď	***	3	316	
25 W.Cumberland Iron & Steel [L.	20	0		10%	10%	
	-	-	- 70	/-	/*	

		BANKS.		
Issue.	SA	ires.	Pt.	Clos. pr.
100000	10	Agra [L]	ila	10 1034
80000	20	Anglo-Egyptian Banking	[L] all	20 21
20000	40	Bank of Australasia	114	85 87
12500	20	Bank of British Columbia	all	2214 2314
120600	50	Bank of British North Am	erica all	
10000	25	Bank of Egypt	Ila	29 31
50000	20	Bank of New South Wales	all	63 65
100000	10	Bank of New Zealand	all	2614 2714
25000	25	Bank of South Australia		40 43
120000	50	Bank of Victoria	25	37 39
40000	20	Chartrd. of Ind., Aust., & (	Thina all	2234 2334
20000	25	Ch. Merc. of Ind., Lond.,	China all	1514 1614
20000	100	Colonial	30	68 70
50000	20	English Bk. of Rio de Jane	iro [L] 16	336 14 Km
60000	25	London and River Plate [	[1] 10	14 15
60000	7	London and San Francisco	o'Ll. all	736 73
50000	20	London Chartered of Aust	ralia all	2356 245
100000	10	National Bank of N. Zeals	nd [L] 3%	344 4
160000	25	Oriental Bank Corporation	n all	1334 145
12500	10	Queensland National (L)	5	. 11 113
40000	100	Stndrd. of South A frica [ L	1 25	50 52
150000	25	Union of Australia	all	72 74

GAS	COMPANIES

5000	20 Haldarra	Au.	Cies, pr.
510000	20Bahla [L]	all	21 22
310000	5Bombay [L]	all	8 81/
10000	5 Ditto, New [L]	4	41/ 678
297008	5 Ditto, New [L]	7	479 3
14000	tkBrentford Consolidated	100	177 182
50000 0	20British	all	39 41
200000	Commercial	100	208 212
23406	10European [L]	ce all	26 27
94850 8	the Cartista III	all	19 20
12000	5Malta & Mediterranean [L]	100	218 222
100000	Maita & Mediterranean [L]	all	21/4 3
10000	5Ottoman [L]	all	4 416
27500	20 Rio de Janeiro II	· All	7 24 7 24
600000 B	20Rio de Janeiro [L]	All	23 24
2000UB	tk Ditto, ditto. B	100	190 194

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### TRAMWAYS.

40000			Au.	-	LUB.	$pr_{\bullet}$
40000	5	Anglo-Argentine [L]	all		516	6
10000	10	Barcelona [L]Belfast Street Tramways	all		816	914
7140	10	Belfast Street Tramways	a11		714	8
						9
9290	10	Bristol [L]	10			0
25000	10	Bordeaux Tram & Omnibus [L].	-11	***		101/
3200	10	Chester [L]	all.	****		1079
24000	10	Dublin	MII.	100	**/	01/
14690	10	Edinburgh Street Tramways	all	***	0.79	375
25000	10	Glasgow Transact Transacys	All	]	0%	10%
10000	10	Glasgow Tramway & Omni. [L].	9	1	5%	Te.
7500	10	HughesLoco, and Tram, works.	ali	***		
7500	10	Hull Street Tramways	ali		9%	934
7500	10	Imperial [L]	all		3/4	1%
34000	10	Hull Street Tramways Imperial [L]Liverpool Unit. Tram & Om. [L]	all		834	914
15000	10	London Street Tramways	all	1	151	15 %
£00000	10	North Metropolitan	a 11	1	7	174
8000	10	Nottingham and District [L]	all		814	914
15947	10	Nottingham and District [L] Provincial [L]	all		814	834
5000	10	Snemeid	all.		4	3
5000	10	Southampton	all		414	514
6000	10	Sunderland [L]	all		214	354
10000	10	Swansea [L]	all	***	5	6
12000	10	Tramways of France [L]	-11	***	214	314
16500	10	Tramways of Germany [L]	mil.	***	01/2	1034
90000	8	Tramways and Gen. Works [L].	-11	****	9	914
40000	5	Tramways Union [L]	mil.	***		216
95000	10	Vale of Clyde	mail	100		- 13
20000	10	Wolverhammton FF3	- 11			
1200	30	Wolverhampton [L]	Bil	***	7	

### TELEGRAPH COMPANIES.

Shar		Pd.	-	Clos.	pr.
Stk.	Anglo-American	100	0	4934	50%
10	Brazitian Submarine	10 (		1134	12
10	Cuba	10 (		10	10%
10	Direct Spanish	9 1	0	514	534
20	Direct United States Cable	20 (	0	125%	1236
10	Eastern	10 (		10%	10%
10	East, Exten. Austr. and China			1156	1136
10	German Union	10 (	(	10	10%
10	Great Northern	10 (		12%	1356
25	Indo-European	25 (	0	311/6	3216 .
30	London Platino Brazilian	10	n	334	4xd

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